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RESEARCH MEMORANDUM

PRESSURE DISTRIBUTIONS OVER A SERIES OF RELATED AFTERBODY
SHAPES AS AFFECTED BY A PROPULSIVE JET
AT TRANSONIC SPEEDS

By Beverly Z. Henry, Jr., and Maurice S. Cahn

Langley Aeronautical Laboratory
Langley Field, Va.

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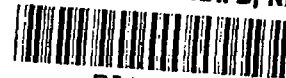
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NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS

WASHINGTON

January 22, 1957

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RESEARCH MEMORANDUM

PRESSURE DISTRIBUTIONS OVER A SERIES OF RELATED AFTERBODY

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SUMMARY

Investigations have been conducted at transonic speeds to determine the effects of a sonic propulsive jet on the aerodynamic characteristics of the body from which it issues. Presented herein are the pressure distributions over the related series of afterbody shapes used in these investigations.

These results indicate that the effects of the jet on body surface pressures will be confined to the rearmost 15 to 20 percent of the length for bodies with fineness ratios of the order of 10. On low-drag shapes, those with large extents of low-angle boattailing and small base sizes, the effect of the jet is to cause an increase in body pressures in the vicinity of the base, while on the blunt shapes the predominate effect was to reduce these local pressures within the range of this investigation. Increases in jet temperature from cold to 1,200° F resulted in local-pressure increases which were negligible on the low-drag shapes but became significant on the blunt shapes. Increasing stream Mach number tended to reduce the extent of body surface influenced by the jet.

INTRODUCTION

Investigations have been conducted in the Langley 8-foot transonic tunnel to evaluate some of the effects of a sonic propulsive jet on the body from which it issues and to determine the influence of afterbody shape on these jet effects. All results were obtained at an angle of attack of 0° throughout the Mach number range from 0.80 to 1.10 and at each test point jet pressure ratio and temperature were varied. Initial results of the investigations have been reported in references 1 and 2. These papers present the variation with jet pressure ratio of base-pressure coefficient and afterbody-drag coefficient at different values

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of stream Mach number and jet temperature for each of the configurations tested.

The results presented herein are the pressure-distribution measurements obtained over the bodies investigated. The pressure measurements are presented in coefficient form and have been tabulated for each afterbody at each test condition. These results are presented with limited analysis in order to expedite their availability to those concerned with afterbody—jet-exit design.

SYMBOLS

C_p	pressure coefficient, $\frac{p_l - p_\infty}{q_\infty}$
M	Mach number
R	Reynolds number, based on body length
d	diameter
l	length
p	static pressure
P_t	total pressure
q	dynamic pressure, $\frac{\gamma p M^2}{2}$
t	total temperature, $^{\circ}F$
β	afterbody boattail angle, deg
γ	ratio of specific heats

Subscripts:

b	base
j	jet
∞	free stream
l	local
max	model maximum

APPARATUS AND TESTS

Wind Tunnel

These investigations were conducted in the Langley 8-foot transonic tunnel which has a dodecagonal, slotted test section that permitted continuous testing up to a Mach number of approximately 1.10 for these models. The tunnel is vented to the atmosphere through an air-exchange tower which permits the exhausting of combustion gases from the model into the stream with no detrimental effects on the characteristics of the stream. Maximum deviation from the indicated free-stream Mach number is ± 0.003 (ref. 3).

Models

The models used in these investigations were bodies of revolution, the rear portions of which were removed to provide an exit for the jet. These bodies had fineness ratios from 10.0 to 10.7. A single forebody (see table I) was used throughout and the model design allowed the ready interchange of afterbodies of various geometric shape. The models were mounted in the tunnel by means of two support struts. These support struts, with a chord of 11.25 inches and an NACA 65-010 airfoil section measured parallel to the airstream, were placed so that the leading edge intersected the body at a point 21.7 inches from the nose and were swept back 45° . A sketch of the general arrangement of the model in the tunnel is shown in figure 1.

Presented in table II is the equation utilized to define the external shapes of the afterbodies investigated. Also shown are the design points used to assign values to the equation. The ordinates from which the body shapes were constructed are given in table I. Drawings of the afterbody shapes are shown in figure 2. The models were instrumented with base-pressure orifices and with three rows of static-pressure orifices located at 0° , 45° , and 72° from the plane of symmetry as shown in figure 1.

Turbojet Simulator

Contained within the models was a device for the simulation of a turbojet exhaust which burns a mixture of ethylene and air and exhausts the combustion products through a sonic nozzle. Details of the simulator are given in reference 1.

Tests and Measurements

The models were tested at an angle of attack of 0° throughout the Mach number range from 0.80 to 1.10. At each test Mach number the jet pressure ratio was varied from a no-flow condition to 11 or to the maximum obtainable at jet temperatures of "cold," 800°F , and $1,200^\circ\text{F}$. The term "cold" flow is used herein to define the temperature of the air coming from the source, normally 75° to 80°F , and corresponds to a fuel-air ratio of 0. The Reynolds number based on body length varied from 15.0×10^6 to 17.4×10^6 . (See fig. 3.)

At each test point, body-pressure distributions, base pressures, and free-stream conditions were photographically recorded from multiple-tube manometers. Tunnel total temperature was obtained from a recording potentiometer.

Jet total pressure was obtained from a calibrated probe mounted in the combustion chamber and was referenced to a static-pressure orifice on the tunnel wall for the determination of jet pressure ratio. Jet temperature was obtained from a shielded chromel-alumel thermocouple near the exit station. All values defining the jet condition were photographically recorded by a camera synchronized with that used to record pressure data.

RESULTS AND DISCUSSION

Presented in table III are the measured values of local-pressure coefficient at each test condition over each afterbody depicted in figure 2. Measured values of base-pressure coefficient for these afterbodies have been published in references 1 and 2. In table IV are presented the pressure distributions over the model forebody obtained in conjunction with afterbodies I and VI. These two configurations were arbitrarily chosen to indicate that large changes in conditions over the afterbody caused no change in the forebody distribution.

In figure 4 are presented the variations in local-pressure coefficient along the 0° meridian of each afterbody for several representative jet pressure ratios. This row has been selected as typical since it may be observed that over the rear portions of the bodies, downstream of the local flow field of the strut, the measurements are generally the same for each row within the experimental accuracy of the data (normally ± 0.005).

In the pressure distributions over afterbody IE it will be seen that a displacement of the local pressures occurs rearward of the extension parting line. Since this displacement did not occur for the no-jet-flow

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condition, it may be assumed that the displacement is due to leakage through this juncture. The curves in figure 4(a) have consequently been faired accordingly.

As was noted in reference 2, at a Mach number of 1.10, a disturbance originating at the support-body juncture was reflected from the tunnel wall to strike the models at a point varying from about $x/l_{\max} = 0.90$ to $x/l_{\max} = 0.97$ depending on body length (approximately 1 to 4 jet diameters upstream of the base). This reflected disturbance resulted in more positive local pressures and, consequently, in lower drag values. While the absolute values of local-pressure coefficient are incorrect in the region of this disturbance, examination of the drag values indicated no alterations of the jet effects which could be attributed to the disturbance. It will be observed that the effect of this disturbance is more readily apparent on those bodies which have cylindrical shape or which closely approach this shape (see afterbodies X, XII, XIII, and XIV). It is on these bodies, however, that the drag contribution of the boattail is reduced in proportion to the contribution of the body base.

The effect of the jet is confined generally to the rearmost 15 to 20 percent of the body length. For the low-drag shapes, bodies with extensive low-angle boattailing (8° to 16°) and small base annulus sizes ($d_j/d_b \approx 0.5$ or larger), external expansion of the jet at pressure ratios of about 3 and higher resulted in an outward deflection of the external stream which caused an increase in pressure over the rear portion of the bodies with the accompanying drag reduction (see, for example, afterbodies I and XI). For the blunt shapes, bodies with lesser extent of boattailing and large base sizes ($d_j/d_b < 0.5$), the action of the jet was to aspirate the low-energy regions at the rear of these bodies to lower pressures with a resulting increase in drag (see, for example, afterbodies X, XII, and XIII). This unfavorable effect existed with large-based models even though the boattail angle was of a favorable magnitude and increased with increasing jet pressure ratio until the point was reached where the jet deflected the external stream in a favorable manner. The pressure ratio at which the jet interacts with the external stream is dependent on the size of the base annulus, being about 3 for small-based models similar to afterbody I and above the maximum obtainable during this investigation for a cylindrical shape such as afterbody X.

The effect of increasing jet temperature was generally to cause a pressure increase in the region of the body base. For the low-drag shapes, this effect was so small as to be considered negligible. For the blunt shapes, however, the effects of changes in temperature became significant.

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Reference 2 indicated that no major variation in the character of the jet effects on drag resulted due to changes in stream Mach number within the range of this investigation. The pressure distributions evidence a trend towards a lesser extent of the body surface being affected as the Mach number was increased.

CONCLUDING REMARKS

From pressure-distribution measurements made over the surfaces of a related series of afterbodies as influenced by a propulsive jet, the following observations are made:

1. The effect of the jet on local body-surface pressures was confined generally to the rearmost 15 to 20 percent of the length for bodies with fineness ratios of the order of 10.
2. For bodies with large extents of low-angle boattailing and small base sizes, the effect of the jet was to increase the local pressure in the vicinity of the base.
3. For bodies with lesser extents of boattailing and large base sizes, the predominate effect of the jet within the range of this investigation was to reduce the local pressures in the vicinity of the base.
4. Increasing jet temperature from cold to 1,200° F resulted in a local-pressure increase which was negligible for the low-drag shapes but which became significant for the more blunt shapes.
5. Increases in stream Mach number tended to reduce the extent of body surface influenced by the jet.

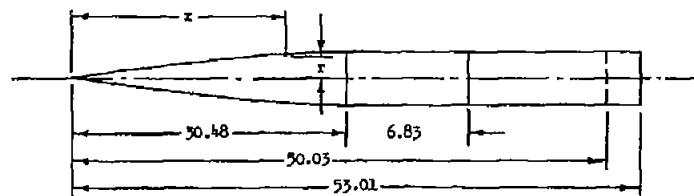
Langley Aeronautical Laboratory,
National Advisory Committee for Aeronautics,
Langley Field, Va., October 19, 1956.

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REFERENCES

1. Henry, Beverly Z., Jr., and Cahn, Maurice S.: Preliminary Results of an Investigation at Transonic Speeds To Determine the Effects of a Heated Propulsive Jet on the Drag Characteristics of a Related Series of Afterbodies. NACA RM L55A24a, 1955.
2. Henry, Beverly Z., Jr., and Cahn, Maurice S.: Additional Results of an Investigation at Transonic Speeds To Determine the Effects of a Heated Propulsive Jet on the Drag Characteristics of a Series of Related Afterbodies. NACA RM L56G12, 1956.
3. Ritchie, Virgil S., and Pearson, Albin O.: Calibration of the Slotted Test Section of the Langley 8-Foot Transonic Tunnel and Preliminary Experimental Investigation of Boundary-Reflected Disturbances. NACA RM L51K14, 1952.

TABLE I.- BODY ORDINATES



Forebody Ordinates

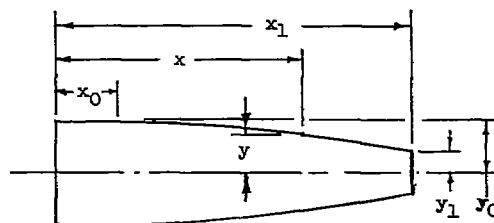
Station, x, in.	Radius, r, in.	Station, x, in.	Radius, r, in.
0.50	0.139	12.00	1.854
.45	.179	15.00	2.079
.75	.257	18.00	2.245
1.50	.455	21.00	2.360
5.00	.725	24.00	2.438
4.50	.968	27.00	2.486
6.00	1.183	30.00	2.500
9.00	1.556	30.48	2.500

Afterbody Ordinates

Station, x, in.	Radius, r, in.													
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
30.48	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500
33.12	-----	-----	-----	-----	-----	-----	-----	-----	2.478	-----	-----	-----	-----	-----
36.12	-----	-----	-----	-----	-----	-----	-----	-----	2.414	-----	-----	-----	-----	-----
37.51	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500
39.12	-----	-----	-----	-----	-----	-----	-----	-----	2.505	-----	-----	-----	-----	-----
40.12	2.500	2.500	-----	2.499	2.500	-----	2.500	-----	-----	-----	2.500	-----	-----	-----
42.12	2.469	2.499	-----	2.446	2.488	2.500	2.492	2.500	2.137	-----	2.278	-----	-----	-----
44.12	2.364	2.458	2.500	2.295	2.414	2.498	2.419	2.484	-----	-----	2.030	-----	-----	-----
45.12	-----	-----	-----	-----	-----	-----	-----	-----	1.877	-----	-----	-----	-----	-----
46.12	2.176	2.350	2.496	2.031	2.211	2.469	2.260	2.381	-----	-----	1.778	2.500	2.500	-----
48.12	1.907	2.150	2.459	1.654	1.814	2.235	2.006	2.173	1.516	-----	1.506	2.432	2.499	-----
50.05	-----	-----	-----	1.182	1.182	1.182	-----	-----	1.257	-----	-----	-----	-----	2.500
50.12	1.534	1.752	2.268	-----	-----	-----	1.654	1.854	-----	-----	1.235	2.214	2.392	-----
51.12	1.515	1.490	2.015	-----	-----	-----	1.440	1.650	-----	-----	1.098	2.043	2.259	-----
52.12	1.073	1.172	1.545	-----	-----	-----	1.201	1.416	-----	-----	.960	1.823	2.067	-----
53.01	.856	.856	.856	-----	-----	-----	.865	1.122	-----	2.500	.856	1.600	1.845	-----

TABLE II.- AFTERBODY DESIGN

Equation:

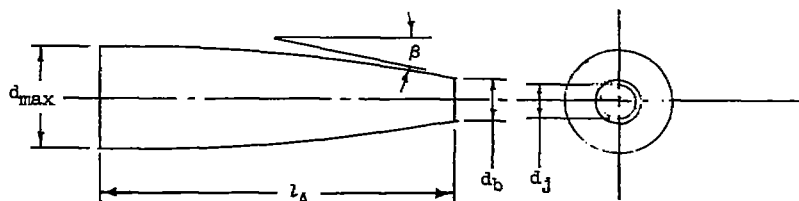


$$y = y_0 - (y_0 - y_1) \left(\frac{x - x_0}{x_1 - x_0} \right)^{\frac{(x_1 - x_0)}{y_0 - y_1} \tan \beta}$$

where:

 x = any afterbody station x_1 = body base station x_0 = body tangency point y = radius at station x y_1 = body base radius y_0 = maximum body radius β = boattail angle $\frac{x_1 - x_0}{y_0 - y_1}$ = Constant = 7.747

Design points:



Afterbody	d_{max} , in.	l_A , in.	β , deg	d_j , in.	d_b , in.	$\frac{d_j}{d_b}$	$\frac{d_j}{d_{max}}$	x_0 , in.
IE	5.0	16.40	16	1.240	1.240	1.000	0.248	2.81
I	5.0	15.70	16	1.240	1.672	.742	.248	2.81
II	5.0	15.70	24	1.240	1.672	.742	.248	2.81
III	5.0	15.70	45	1.240	1.672	.742	.248	2.81
IV	5.0	12.72	16	1.754	2.364	.742	.351	2.51
V	5.0	12.72	24	1.754	2.364	.742	.351	2.51
VI	5.0	12.72	45	1.754	2.364	.742	.351	2.51
VII	5.0	15.70	16	1.240	1.930	.643	.248	3.81
VIII	5.0	15.70	16	1.240	2.364	.525	.248	5.49
IX	5.0	19.55	7.7	1.754	2.513	.698	.351	Not defined by this equation
X	5.0	15.70	0	1.240	5.000	.248	.248	15.70
XI	5.0	15.70	8	1.240	1.672	.742	.248	2.81
XII	5.0	15.70	16	1.240	3.200	.388	.248	8.75
XIII	5.0	15.70	16	1.240	3.690	.336	.248	10.63
XIV	5.0	12.72	0	1.754	5.000	.351	.351	12.72

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody IB - Concluded

 $t_2 = 1,200^\circ F$

$\frac{x}{d}$	$\frac{K}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.05$			$P_{t,1}/P_\infty = 1.97$			$P_{t,1}/P_\infty = 1.96$		
12.56	0.710	-0.038	-0.051	-0.061	-0.037	-0.048	-0.037	-0.107	-0.101	-0.091	-0.094	-0.047	-0.041
10.56	.747	-0.075	-0.068	-0.066	-0.080	-0.074	-0.071	-0.115	-0.109	-0.107	-0.074	-0.063	-0.062
9.56	.784	-0.117	-0.115	-0.110	-0.141	-0.134	-0.130	-0.182	-0.176	-0.174	-0.135	-0.131	-0.130
7.75	.821	-0.127	-0.122	-0.122	-0.151	-0.145	-0.145	-0.262	-0.254	-0.256	-0.207	-0.199	-0.195
6.11	.859	-0.093	-0.090	-0.090	-0.104	-0.102	-0.104	-0.176	-0.172	-0.174	-0.227	-0.222	-0.228
4.50	.896	-0.058	-0.058	-0.058	-0.079	-0.079	-0.041	-0.134	-0.132	-0.132	-0.234	-0.229	-0.233
2.90	.933	.005	.005	.001	.045	.045	.059	.119	.117	.115	-0.051	-0.056	-0.063
2.08	.952	.085	.082	.080	.097	.095	.095	.167	.167	.167	.087	.089	.084
1.50	.970	.139	.136	.134	.158	.151	.149	.200	.200	.202	.141	.141	.142
.87	.980	.167	.164	.164	.186	.177	.177	.216	.216	.216	.157	.157	.151
.74	.983	.175	.176	.176	.198	.188	.190	.216	.218	.220	.165	.165	.166
.59	.991	.195	.196	.196	.208	.210	.212	.226	.226	.230	.174	.176	.179
.17	.996	.208	.210	.215	.219	.223	.225	.230	.232	.235	.179	.183	.185
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12.56	.710	-0.038	-0.031	-0.021	-0.037	-0.028	-0.019	-0.105	-0.099	-0.091	-0.094	-0.049	-0.041
10.56	.747	-0.075	-0.068	-0.065	-0.082	-0.076	-0.071	-0.110	-0.106	-0.106	-0.074	-0.065	-0.065
9.56	.784	-0.117	-0.112	-0.107	-0.141	-0.134	-0.130	-0.181	-0.175	-0.171	-0.137	-0.135	-0.130
7.75	.821	-0.125	-0.120	-0.120	-0.150	-0.147	-0.147	-0.270	-0.264	-0.264	-0.209	-0.202	-0.199
6.11	.859	-0.090	-0.087	-0.087	-0.106	-0.104	-0.104	-0.176	-0.172	-0.172	-0.227	-0.222	-0.223
4.50	.896	-0.056	-0.056	-0.056	-0.079	-0.079	-0.041	-0.118	-0.122	-0.122	-0.234	-0.231	-0.233
2.90	.933	.008	.008	.003	.045	.045	.059	.124	.122	.120	-0.051	-0.056	-0.062
2.08	.952	.087	.085	.082	.097	.097	.095	.171	.169	.169	.087	.084	.082
1.50	.970	.141	.141	.139	.154	.154	.151	.200	.200	.202	.141	.141	.142
.87	.980	.168	.168	.168	.184	.184	.184	.216	.218	.220	.155	.155	.157
.74	.983	.176	.182	.185	.190	.197	.195	.220	.224	.226	.159	.163	.165
.59	.991	.186	.181	.186	.199	.199	.201	.224	.220	.228	.166	.166	.170
.17	.996	.198	.200	.208	.210	.212	.221	.230	.228	.236	.172	.174	.179
<hr/>													
12.56	.710	-0.038	-0.031	-0.021	-0.037	-0.028	-0.019	-0.107	-0.101	-0.091	-0.093	-0.050	-0.044
10.56	.747	-0.075	-0.068	-0.065	-0.080	-0.074	-0.071	-0.115	-0.109	-0.107	-0.076	-0.065	-0.065
9.56	.784	-0.117	-0.112	-0.107	-0.138	-0.134	-0.128	-0.182	-0.176	-0.174	-0.138	-0.134	-0.131
7.75	.821	-0.124	-0.119	-0.119	-0.151	-0.145	-0.145	-0.262	-0.254	-0.254	-0.208	-0.204	-0.204
6.11	.859	-0.090	-0.087	-0.087	-0.104	-0.102	-0.102	-0.176	-0.172	-0.174	-0.228	-0.223	-0.225
4.50	.896	-0.053	-0.053	-0.056	-0.077	-0.077	-0.059	-0.105	-0.113	-0.122	-0.236	-0.230	-0.234
2.90	.933	.043	.041	.036	.050	.050	.045	.126	.126	.124	-0.053	-0.056	-0.062
2.08	.952	.095	.095	.088	.106	.104	.102	.173	.173	.171	.098	.092	.090
1.50	.970	.152	.154	.149	.164	.164	.162	.204	.206	.206	.156	.151	.145
.87	.980	.182	.184	.186	.193	.201	.197	.216	.222	.224	.154	.160	.162
.74	.983	.191	.216	.201	.203	.221	.210	.220	.226	.228	.158	.167	.167
.59	.991	.177	.190	.182	.190	.198	.197	.216	.200	.214	.162	.164	.165
.17	.996	.204	.186	.211	.204	.203	.225	.226	.220	.232	.169	.167	.178
<hr/>													
12.56	.710	-0.038	-0.031	-0.021	-0.037	-0.028	-0.019	-0.107	-0.101	-0.091	-0.097	-0.050	-0.044
10.56	.747	-0.075	-0.068	-0.065	-0.080	-0.074	-0.069	-0.115	-0.109	-0.107	-0.076	-0.066	-0.065
9.56	.784	-0.117	-0.112	-0.107	-0.138	-0.134	-0.128	-0.182	-0.176	-0.174	-0.138	-0.134	-0.131
7.75	.821	-0.124	-0.119	-0.119	-0.149	-0.145	-0.145	-0.262	-0.254	-0.254	-0.212	-0.201	-0.204
6.11	.859	-0.088	-0.088	-0.088	-0.102	-0.102	-0.102	-0.176	-0.172	-0.174	-0.228	-0.223	-0.225
4.50	.896	-0.051	-0.051	-0.056	-0.072	-0.072	-0.071	-0.103	-0.111	-0.120	-0.236	-0.230	-0.234
2.90	.933	.045	.045	.040	.056	.054	.050	.130	.128	.126	-0.066	-0.073	-0.082
2.08	.952	.099	.097	.097	.115	.113	.108	.175	.175	.175	.101	.099	.101
1.50	.970	.165	.166	.161	.177	.180	.175	.204	.210	.210	.143	.147	.151
.87	.980	.195	.208	.200	.205	.219	.212	.216	.224	.226	.158	.165	.167
.74	.983	.205	.230	.215	.216	.236	.225	.220	.232	.232	.162	.173	.175
.59	.991	.198	.194	.196	.194	.191	.182	.205	.199	.208	.160	.161	.165
.17	.996	.200	.166	.217	.214	.190	.232	.220	.211	.234	.171	.163	.184
<hr/>													
12.56	.710	-0.080	-0.032	-0.023	-0.037	-0.028	-0.019	-0.109	-0.101	-0.091	-0.099	-0.051	-0.044
10.56	.747	-0.075	-0.070	-0.067	-0.080	-0.074	-0.071	-0.115	-0.109	-0.107	-0.075	-0.066	-0.064
9.56	.784	-0.117	-0.114	-0.107	-0.138	-0.134	-0.128	-0.182	-0.176	-0.174	-0.138	-0.134	-0.131
7.75	.821	-0.124	-0.122	-0.119	-0.149	-0.145	-0.145	-0.262	-0.252	-0.254	-0.208	-0.200	-0.204
6.11	.859	-0.087	-0.087	-0.087	-0.102	-0.100	-0.100	-0.176	-0.172	-0.174	-0.228	-0.223	-0.224
4.50	.896	-0.050	-0.050	-0.052	-0.070	-0.070	-0.072	-0.103	-0.111	-0.120	-0.236	-0.230	-0.234
2.90	.933	.092	.049	.044	.063	.061	.056	.137	.135	.133	.022	.015	.006
2.08	.952	.109	.106	.104	.123	.121	.117	.181	.181	.181	.110	.110	.112
1.50	.970	.176	.178	.175	.190	.195	.186	.210	.214	.214	.147	.155	.154
.87	.980	.208	.223	.215	.221	.232	.225	.222	.228	.230	.162	.169	.173
.74	.983	.218	.238	.229	.229	.244	.235	.226	.234	.234	.167	.176	.176
.59	.991	.196	.196	.198	.180	.181	.203	.205	.185	.214	.164	.174	.167
.17	.996	.195	.196	.225	.219	.195	.240	.220	.212	.246	.173	.166	.188
<hr/>													
12.56	.710							-0.109	-0.099	-0.091	-0.099	-0.053	-0.046
10.56	.747							-0.111	-0.107	-0.105	-0.077	-0.068	-0.066
9.56	.784							-0.180	-0.176	-0.172	-0.138	-0.132	-0.132
7.75	.821							-0.261	-0.251	-0.250	-0.208	-0.204	-0.204
6.11	.859							-0.272	-0.264	-0.270	-0.228	-0.223	-0.224
4.50	.896							-0.040	-0.046	-0.052	-0.234	-0.230	-0.234
2.90	.933							.145	.145	.159	.050	.040	.053
2.08	.952							.186	.186	.186	.118	.120	.120
1.50	.970							.216	.220	.222	.151	.156	.160
.87	.980							.226	.232	.236	.164	.170	.177
.74	.983							.232	.240	.240	.171	.182	.182
.59	.991							.220	.179	.218	.169	.174	.175
.17	.996							.220	.214	.203	.175	.166	.169

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(b) Afterbody I

 $t_1 = \text{Gold}$

$\frac{x}{d_1}$	$\frac{h}{h_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 1.07$			$P_{t,1}/P_\infty = 1.10$			$P_{t,1}/P_\infty = 1.15$			$P_{t,1}/P_\infty = 1.15$		
12.01	0.719	-0.040	-0.031	-0.020	-0.035	-0.026	-0.015	-0.106	-0.093	-0.080	-0.079	-0.050	-0.058
10.59	.727	-0.074	-0.072	-0.067	-0.078	-0.075	-0.070	-0.109	-0.108	-0.106	-0.075	-0.057	-0.066
8.76	.732	-0.113	-0.117	-0.114	-0.128	-0.127	-0.125	-0.180	-0.177	-0.175	-0.139	-0.135	-0.131
7.18	.832	-0.127	-0.125	-0.124	-0.138	-0.136	-0.134	-0.265	-0.257	-0.255	-0.209	-0.208	-0.205
5.56	.870	-0.095	-0.094	-0.095	-0.109	-0.108	-0.105	-0.275	-0.270	-0.271	-0.227	-0.223	-0.221
3.95	.908	-0.045	-0.045	-0.048	-0.044	-0.045	-0.049	-0.116	-0.114	-0.114	-0.254	-0.236	-0.235
2.55	.945	.022	.021	.016	.024	.020	.026	.116	.114	.113	-0.100	-0.102	-0.111
1.54	.964	.054	.052	.048	.071	.075	.074	.158	.158	.160	.062	.058	.054
.73	.983	.110	.107	.108	.125	.128	.124	.191	.184	.185	.118	.118	.118
.50	.993	.131	.127	.129	.149	.144	.150	.205	.207	.209	.137	.137	.137
.17	.996	.158	.158	.161	.157	.161	.159	.213	.214	.215	.144	.144	.144
12.01	.719	$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 1.98$			$P_{t,1}/P_\infty = 1.97$			$P_{t,1}/P_\infty = 8.00$		
		-0.040	-0.029	-0.019	-0.040	-0.031	-0.021	-0.106	-0.095	-0.081	-0.079	-0.050	-0.058
		-0.070	-0.069	-0.067	-0.081	-0.078	-0.074	-0.110	-0.108	-0.106	-0.078	-0.056	-0.060
		-0.116	-0.114	-0.113	-0.122	-0.119	-0.116	-0.180	-0.177	-0.175	-0.138	-0.135	-0.133
		-0.129	-0.123	-0.118	-0.135	-0.131	-0.125	-0.262	-0.254	-0.251	-0.208	-0.201	-0.203
		-0.091	-0.090	-0.088	-0.108	-0.105	-0.107	-0.274	-0.270	-0.278	-0.226	-0.221	-0.224
		-0.039	-0.040	-0.044	-0.046	-0.045	-0.046	-0.090	-0.090	-0.096	-0.232	-0.230	-0.234
		.032	.030	.025	.040	.037	.033	.127	.125	.125	-0.071	-0.077	-0.074
		.078	.074	.073	.090	.087	.084	.172	.171	.170	.081	.075	.076
		.126	.124	.122	.140	.140	.139	.205	.205	.205	.137	.137	.137
		.147	.144	.146	.161	.161	.164	.218	.217	.218	.155	.155	.156
		.253	.255	.254	.270	.272	.271	.221	.223	.223	.157	.159	.160
12.01	.719	$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 2.98$		
		-0.042	-0.032	-0.020	-0.038	-0.028	-0.017	-0.107	-0.094	-0.084	-0.081	-0.051	-0.040
		-0.074	-0.071	-0.067	-0.079	-0.077	-0.072	-0.112	-0.110	-0.108	-0.074	-0.058	-0.066
		-0.118	-0.115	-0.113	-0.129	-0.126	-0.124	-0.182	-0.180	-0.178	-0.138	-0.135	-0.132
		-0.127	-0.124	-0.116	-0.131	-0.127	-0.124	-0.264	-0.256	-0.254	-0.209	-0.201	-0.203
		-0.095	-0.093	-0.086	-0.104	-0.104	-0.104	-0.277	-0.273	-0.271	-0.227	-0.222	-0.225
		-0.040	-0.042	-0.042	-0.040	-0.041	-0.046	-0.090	-0.099	-0.108	-0.232	-0.231	-0.235
		.030	.027	.023	.042	.039	.035	.125	.123	.120	-0.074	-0.079	-0.078
		.065	.064	.061	.082	.085	.085	.169	.167	.167	.078	.076	.086
		.125	.121	.122	.142	.141	.139	.202	.202	.202	.134	.134	.135
		.144	.144	.144	.164	.162	.164	.214	.214	.216	.150	.153	.154
		.148	.150	.151	.169	.172	.172	.218	.219	.219	.159	.159	.159
12.01	.719	$P_{t,1}/P_\infty = 5.02$			$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 5.00$			$P_{t,1}/P_\infty = 5.01$		
		-0.039	-0.030	-0.019	-0.037	-0.028	-0.016	-0.107	-0.095	-0.083	-0.087	-0.048	-0.035
		-0.072	-0.069	-0.066	-0.078	-0.076	-0.071	-0.113	-0.111	-0.109	-0.071	-0.065	-0.062
		-0.117	-0.115	-0.112	-0.137	-0.136	-0.132	-0.182	-0.180	-0.178	-0.136	-0.133	-0.130
		-0.126	-0.125	-0.119	-0.149	-0.146	-0.141	-0.265	-0.257	-0.254	-0.207	-0.199	-0.205
		-0.091	-0.090	-0.085	-0.105	-0.105	-0.099	-0.277	-0.274	-0.275	-0.224	-0.219	-0.225
		-0.037	-0.040	-0.042	-0.037	-0.039	-0.045	-0.076	-0.085	-0.089	-0.230	-0.226	-0.232
		.026	.033	.027	.046	.045	.028	.130	.128	.126	-0.062	-0.068	-0.071
		.064	.060	.079	.098	.095	.095	.173	.171	.169	.087	.084	.082
		.137	.135	.134	.154	.152	.152	.206	.206	.207	.139	.139	.141
		.164	.160	.165	.179	.177	.180	.218	.217	.219	.156	.157	.159
		.170	.175	.175	.186	.187	.190	.221	.222	.224	.161	.166	.169
12.01	.719	$P_{t,1}/P_\infty = 7.85$ (max.)			$P_{t,1}/P_\infty = 6.56$ (max.)			$P_{t,1}/P_\infty = 6.98$			$P_{t,1}/P_\infty = 6.99$		
		-0.040	-0.031	-0.020	-0.039	-0.029	-0.017	-0.106	-0.094	-0.083	-0.080	-0.052	-0.059
		-0.072	-0.070	-0.066	-0.080	-0.077	-0.075	-0.112	-0.106	-0.108	-0.075	-0.058	-0.065
		-0.117	-0.115	-0.112	-0.137	-0.136	-0.132	-0.181	-0.179	-0.177	-0.137	-0.132	-0.129
		-0.124	-0.122	-0.113	-0.150	-0.147	-0.138	-0.265	-0.256	-0.251	-0.207	-0.208	-0.205
		-0.091	-0.091	-0.084	-0.104	-0.103	-0.098	-0.276	-0.273	-0.276	-0.226	-0.223	-0.230
		-0.035	-0.037	-0.042	-0.037	-0.039	-0.041	-0.074	-0.085	-0.089	-0.232	-0.230	-0.235
		.034	.034	.030	.052	.048	.045	.136	.134	.131	-0.094	-0.047	-0.055
		.088	.084	.082	.105	.102	.100	.177	.177	.177	.097	.094	.095
		.144	.142	.141	.165	.163	.165	.211	.212	.212	.146	.146	.149
		.173	.171	.172	.192	.190	.195	.224	.224	.227	.168	.164	.166
		.181	.185	.184	.201	.205	.205	.228	.230	.232	.168	.169	.172
12.01	.719	$P_{t,1}/P_\infty = 7.15$ (max.)											
		-0.060	-0.051	-0.039	-0.060	-0.051	-0.039	-0.060	-0.051	-0.039	-0.060	-0.051	-0.039
		-0.075	-0.067	-0.057	-0.075	-0.067	-0.057	-0.075	-0.067	-0.057	-0.075	-0.067	-0.057
		-0.119	-0.115	-0.113	-0.119	-0.115	-0.113	-0.119	-0.115	-0.113	-0.119	-0.115	-0.113
		-0.126	-0.122	-0.113	-0.126	-0.122	-0.113	-0.126	-0.122	-0.113	-0.126	-0.122	-0.113
		-0.091	-0.091	-0.084	-0.091	-0.091	-0.084	-0.091	-0.091	-0.084	-0.091	-0.091	-0.084
		-0.035	-0.037	-0.042	-0.035	-0.037	-0.042	-0.035	-0.037	-0.042	-0.035	-0.037	-0.042
		.034	.034	.030	.052	.048	.045	.136	.134	.131	.136	.134	.131
		.088	.084	.082	.105	.102	.100	.177	.177	.177	.097	.094	.095
		.144	.142	.141	.165	.163	.165	.211	.212	.212	.146	.146	.149
		.173	.171	.172	.192	.190	.195	.224	.224	.227	.168	.164	.166
		.181	.185	.184	.201	.205	.205	.228	.230	.232	.168	.169	.172

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(b) Afterbody I - Continued

 $t_j = 800^\circ \text{ F}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.96$			$P_{c,1}/P_\infty = 1.96$			$P_{c,1}/P_\infty = 1.96$		
12.01	0.719	-0.059	-0.030	-0.019	-0.059	-0.029	-0.018	-0.107	-0.095	-0.084	-0.097	-0.047	-0.034
10.59	.727	-0.072	-0.070	-0.055	-0.050	-0.077	-0.075	-0.115	-0.111	-0.108	-0.078	-0.064	-0.054
8.76	.755	-0.116	-0.115	-0.112	-0.119	-0.137	-0.134	-0.185	-0.181	-0.178	-0.136	-0.135	-0.132
7.18	.832	-0.125	-0.122	-0.111	-0.130	-0.146	-0.139	-0.264	-0.256	-0.245	-0.208	-0.201	-0.204
5.56	.870	-0.091	-0.090	-0.084	-0.105	-0.109	-0.095	-0.278	-0.274	-0.290	-0.225	-0.222	-0.235
5.23	.908	-0.056	-0.055	-0.042	-0.078	-0.041	-0.045	-0.064	-0.072	-0.077	-0.231	-0.230	-0.235
2.55	.945	-0.054	-0.052	-0.045	-0.045	-0.040	-0.035	-0.130	-0.126	-0.124	-0.053	-0.058	-0.054
1.54	.964	-0.050	-0.048	-0.044	-0.044	-0.040	-0.038	-0.174	-0.170	-0.168	-0.053	-0.053	-0.051
.73	.983	-0.150	-0.129	-0.129	-0.145	-0.144	-0.143	-0.205	-0.203	-0.204	-0.140	-0.140	-0.140
.50	.993	-0.152	-0.151	-0.153	-0.168	-0.168	-0.171	-0.216	-0.215	-0.219	-0.158	-0.156	-0.157
.17	.996	-0.158	-0.160	-0.161	-0.175	-0.178	-0.179	-0.221	-0.222	-0.223	-0.163	-0.162	-0.163
<hr/>													
		$P_{c,1}/P_\infty = 2.97$			$P_{c,1}/P_\infty = 3.00$			$P_{c,1}/P_\infty = 2.99$			$P_{c,1}/P_\infty = 2.99$		
12.01	.719	-0.040	-0.029	-0.020	-0.037	-0.027	-0.014	-0.107	-0.094	-0.084	-0.057	-0.046	-0.035
10.59	.727	-0.073	-0.070	-0.057	-0.078	-0.075	-0.070	-0.112	-0.110	-0.108	-0.072	-0.059	-0.055
8.76	.755	-0.117	-0.115	-0.113	-0.136	-0.135	-0.132	-0.182	-0.180	-0.178	-0.137	-0.134	-0.132
7.18	.832	-0.125	-0.123	-0.114	-0.149	-0.146	-0.136	-0.263	-0.255	-0.246	-0.209	-0.201	-0.195
5.56	.870	-0.091	-0.090	-0.084	-0.105	-0.108	-0.099	-0.277	-0.273	-0.286	-0.225	-0.221	-0.217
5.23	.908	-0.058	-0.040	-0.043	-0.059	-0.039	-0.045	-0.065	-0.075	-0.080	-0.233	-0.230	-0.235
2.55	.945	-0.053	-0.051	-0.046	-0.044	-0.042	-0.037	-0.129	-0.127	-0.124	-0.059	-0.059	-0.073
1.54	.964	-0.076	-0.076	-0.074	-0.091	-0.090	-0.090	-0.170	-0.170	-0.169	-0.084	-0.080	-0.078
.73	.983	-0.189	-0.128	-0.127	-0.145	-0.146	-0.146	-0.205	-0.202	-0.204	-0.156	-0.157	-0.158
.50	.993	-0.149	-0.150	-0.153	-0.168	-0.172	-0.172	-0.216	-0.215	-0.218	-0.153	-0.154	-0.155
.17	.996	-0.157	-0.159	-0.161	-0.175	-0.178	-0.180	-0.220	-0.220	-0.222	-0.159	-0.161	-0.161
<hr/>													
		$P_{c,1}/P_\infty = 5.00$			$P_{c,1}/P_\infty = 5.00$			$P_{c,1}/P_\infty = 4.98$			$P_{c,1}/P_\infty = 4.99$		
12.01	.719	-0.059	-0.051	-0.019	-0.057	-0.027	-0.015	-0.108	-0.095	-0.085	-0.058	-0.047	-0.036
10.59	.727	-0.072	-0.070	-0.065	-0.078	-0.075	-0.071	-0.115	-0.111	-0.109	-0.072	-0.066	-0.063
8.76	.755	-0.115	-0.115	-0.111	-0.137	-0.135	-0.135	-0.185	-0.180	-0.178	-0.137	-0.135	-0.135
7.18	.832	-0.125	-0.121	-0.112	-0.146	-0.145	-0.136	-0.264	-0.256	-0.247	-0.208	-0.201	-0.199
5.56	.870	-0.091	-0.089	-0.086	-0.104	-0.103	-0.101	-0.277	-0.273	-0.287	-0.225	-0.221	-0.211
5.23	.908	-0.055	-0.057	-0.041	-0.078	-0.058	-0.042	-0.059	-0.066	-0.071	-0.234	-0.231	-0.234
2.55	.945	-0.056	-0.054	-0.050	-0.045	-0.045	-0.038	-0.130	-0.128	-0.126	-0.049	-0.056	-0.053
1.54	.964	-0.055	-0.052	-0.050	-0.056	-0.056	-0.054	-0.172	-0.170	-0.170	-0.058	-0.055	-0.053
.73	.983	-0.137	-0.137	-0.137	-0.154	-0.153	-0.154	-0.204	-0.204	-0.205	-0.140	-0.140	-0.140
.50	.993	-0.165	-0.162	-0.166	-0.178	-0.179	-0.183	-0.217	-0.217	-0.220	-0.156	-0.158	-0.158
.17	.996	-0.171	-0.173	-0.177	-0.187	-0.189	-0.195	-0.221	-0.223	-0.226	-0.162	-0.163	-0.164
<hr/>													
		$P_{c,1}/P_\infty = 6.98$			$P_{c,1}/P_\infty = 6.99$			$P_{c,1}/P_\infty = 6.97$			$P_{c,1}/P_\infty = 7.02$		
12.01	.719	-0.040	-0.031	-0.020	-0.037	-0.028	-0.014	-0.108	-0.094	-0.085	-0.059	-0.049	-0.036
10.59	.727	-0.073	-0.070	-0.066	-0.078	-0.076	-0.071	-0.115	-0.111	-0.108	-0.072	-0.067	-0.064
8.76	.755	-0.117	-0.115	-0.113	-0.136	-0.135	-0.132	-0.185	-0.181	-0.178	-0.136	-0.135	-0.134
7.18	.832	-0.125	-0.122	-0.114	-0.149	-0.145	-0.136	-0.264	-0.256	-0.247	-0.209	-0.201	-0.197
5.56	.870	-0.091	-0.089	-0.084	-0.108	-0.101	-0.102	-0.277	-0.273	-0.287	-0.225	-0.221	-0.211
5.23	.908	-0.055	-0.057	-0.040	-0.078	-0.058	-0.042	-0.059	-0.066	-0.071	-0.234	-0.231	-0.234
2.55	.945	-0.056	-0.054	-0.050	-0.045	-0.045	-0.038	-0.130	-0.128	-0.126	-0.049	-0.056	-0.053
1.54	.964	-0.055	-0.052	-0.050	-0.056	-0.056	-0.054	-0.172	-0.170	-0.170	-0.058	-0.055	-0.053
.73	.983	-0.137	-0.137	-0.137	-0.154	-0.153	-0.154	-0.204	-0.204	-0.205	-0.140	-0.140	-0.140
.50	.993	-0.165	-0.162	-0.166	-0.178	-0.179	-0.183	-0.217	-0.217	-0.220	-0.156	-0.158	-0.158
.17	.996	-0.171	-0.173	-0.177	-0.187	-0.189	-0.195	-0.221	-0.223	-0.226	-0.162	-0.163	-0.164
<hr/>													
		$P_{c,1}/P_\infty = 8.98$			$P_{c,1}/P_\infty = 8.97$			$P_{c,1}/P_\infty = 8.98$			$P_{c,1}/P_\infty = 8.99$		
12.01	.719	-0.059	-0.051	-0.020	-0.057	-0.027	-0.014	-0.108	-0.095	-0.085	-0.058	-0.047	-0.036
10.59	.727	-0.072	-0.070	-0.067	-0.078	-0.075	-0.070	-0.115	-0.111	-0.109	-0.072	-0.066	-0.064
8.76	.755	-0.117	-0.115	-0.113	-0.136	-0.135	-0.132	-0.185	-0.181	-0.178	-0.136	-0.135	-0.135
7.18	.832	-0.125	-0.121	-0.113	-0.149	-0.145	-0.136	-0.264	-0.256	-0.247	-0.209	-0.201	-0.197
5.56	.870	-0.091	-0.089	-0.084	-0.108	-0.101	-0.102	-0.277	-0.273	-0.287	-0.225	-0.221	-0.211
5.23	.908	-0.055	-0.057	-0.040	-0.078	-0.058	-0.042	-0.059	-0.066	-0.071	-0.234	-0.231	-0.234
2.55	.945	-0.056	-0.054	-0.050	-0.045	-0.045	-0.038	-0.130	-0.128	-0.126	-0.049	-0.056	-0.053
1.54	.964	-0.055	-0.052	-0.050	-0.056	-0.056	-0.054	-0.172	-0.170	-0.170	-0.058	-0.055	-0.053
.73	.983	-0.137	-0.137	-0.137	-0.154	-0.153	-0.154	-0.204	-0.204	-0.205	-0.140	-0.140	-0.140
.50	.993	-0.165	-0.162	-0.166	-0.178	-0.179	-0.183	-0.217	-0.217	-0.220	-0.156	-0.158	-0.158
.17	.996	-0.171	-0.173	-0.177	-0.187	-0.189	-0.195	-0.221	-0.223	-0.226	-0.162	-0.163	-0.164
<hr/>													
		$P_{c,1}/P_\infty = 10.99$			$P_{c,1}/P_\infty = 10.99$			$P_{c,1}/P_\infty = 10.99$			$P_{c,1}/P_\infty = 10.99$		
12.01	.719	-0.059	-0.051	-0.020	-0.057	-0.027	-0.014	-0.108	-0.095	-0.085	-0.058	-0.047	-0.036
10.59	.727	-0.072	-0.070	-0.067	-0.078	-0.075	-0.070	-0.115	-0.111	-0.109	-0.072	-0.066	-0.064
8.76	.755	-0.117	-0.115	-0.113	-0.136	-0.135	-0.132	-0.185	-0.181	-0.178	-0.136	-0.135	-0.135
7.18	.832	-0.125	-0.121	-0.113	-0.149	-0.145	-0.136	-0.264	-0.256	-0.247	-0.209	-0.201	-0.197
5.56	.870	-0.091	-0.089	-0.084	-0.108	-0.101	-0.102	-0.277	-0.273	-0.287	-0.225	-0.221	-0.211
5.23	.908	-0.055	-0.057	-0.040	-0.078	-0.058	-0.042	-0.059	-0.066	-0.071	-0.234	-0.231	-0.234
2.55	.945	-0.056	-0.054	-0.050	-0.045	-0.045	-0.038	-0.130	-0.128	-0.126	-0.049	-0.056	-0.053
1.54	.964	-0.055	-0.052	-0.050	-0.056	-0.056	-0.054	-0.172	-0.170	-0.170	-0.058	-0.055	-0.053
.73	.983	-0.137	-0.137	-0.137	-0.154	-0.153	-0.154	-0.204	-0.204	-0.205	-0.140	-0.140	-0.140
.50	.993	-0.165	-0.162	-0.166	-0.178	-0.179	-0.183	-0.217	-0.217	-0.220	-0.156	-0.158	-0.158
.17	.996	-0.171	-0.173	-0.177	-0.187	-0.189	-0.195	-0.221	-0.223	-0.226	-0.162	-0.163	-0.164

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(b) Afterbody I - Concluded

 $t_j = 1,200^\circ \text{ F}$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 75^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 75^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 75^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 75^\circ$
		$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 2.01$			$P_{t,1}/P_\infty = 1.99$		
12.01	0.719	-0.039	-0.031	-0.018	-0.036	-0.028	-0.015	-0.109	-0.095	-0.083	-0.099	-0.049	-0.037
10.59	.757	-0.072	-0.070	-0.067	-0.078	-0.076	-0.070	-0.111	-0.109	-0.107	-0.075	-0.066	-0.065
8.76	.795	-0.117	-0.116	-0.115	-0.137	-0.136	-0.132	-0.181	-0.179	-0.176	-0.137	-0.132	-0.129
7.18	.832	-0.155	-0.152	-0.148	-0.150	-0.149	-0.144	-0.263	-0.259	-0.255	-0.208	-0.201	-0.204
5.56	.870	-0.091	-0.090	-0.089	-0.104	-0.103	-0.107	-0.276	-0.272	-0.271	-0.226	-0.222	-0.221
3.93	.908	-0.057	-0.056	-0.054	-0.071	-0.069	-0.072	-0.078	-0.076	-0.075	-0.232	-0.230	-0.232
2.35	.945	-0.034	-0.033	-0.028	-0.045	-0.043	-0.047	-0.111	-0.109	-0.108	-0.092	-0.091	-0.090
1.54	.964	-0.021	-0.020	-0.016	-0.032	-0.030	-0.033	-0.078	-0.076	-0.075	-0.086	-0.085	-0.086
.73	.983	-0.132	-0.130	-0.130	-0.149	-0.148	-0.146	-0.207	-0.206	-0.207	-0.156	-0.157	-0.158
.30	.993	-0.256	-0.254	-0.254	-0.271	-0.270	-0.274	-0.219	-0.219	-0.220	-0.195	-0.196	-0.196
.17	.996	-0.264	-0.264	-0.265	-0.280	-0.282	-0.281	-0.224	-0.224	-0.225	-0.160	-0.161	-0.162
<hr/>													
		$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 2.99$		
12.01	.719	-0.038	-0.030	-0.018	-0.037	-0.028	-0.015	-0.109	-0.095	-0.084	-0.097	-0.047	-0.036
10.59	.757	-0.072	-0.069	-0.065	-0.079	-0.077	-0.072	-0.111	-0.109	-0.107	-0.071	-0.065	-0.064
8.76	.795	-0.115	-0.114	-0.112	-0.138	-0.131	-0.132	-0.181	-0.179	-0.177	-0.138	-0.132	-0.129
7.18	.832	-0.152	-0.152	-0.151	-0.159	-0.157	-0.156	-0.263	-0.259	-0.256	-0.209	-0.201	-0.204
5.56	.870	-0.090	-0.089	-0.089	-0.105	-0.104	-0.104	-0.276	-0.272	-0.271	-0.226	-0.222	-0.221
3.93	.908	-0.056	-0.056	-0.054	-0.072	-0.070	-0.072	-0.078	-0.076	-0.075	-0.232	-0.230	-0.232
2.35	.945	-0.035	-0.034	-0.028	-0.044	-0.042	-0.046	-0.111	-0.109	-0.108	-0.092	-0.091	-0.090
1.54	.964	-0.020	-0.019	-0.016	-0.031	-0.030	-0.033	-0.078	-0.076	-0.075	-0.086	-0.085	-0.086
.73	.983	-0.133	-0.132	-0.132	-0.149	-0.148	-0.146	-0.207	-0.206	-0.207	-0.156	-0.157	-0.158
.30	.993	-0.257	-0.256	-0.256	-0.271	-0.270	-0.274	-0.219	-0.219	-0.220	-0.195	-0.196	-0.196
.17	.996	-0.265	-0.265	-0.266	-0.280	-0.282	-0.281	-0.224	-0.224	-0.225	-0.160	-0.161	-0.162
<hr/>													
		$P_{t,1}/P_\infty = 3.01$			$P_{t,1}/P_\infty = 2.97$			$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 2.99$		
12.01	.719	-0.040	-0.031	-0.019	-0.036	-0.028	-0.015	-0.108	-0.095	-0.082	-0.097	-0.048	-0.036
10.59	.757	-0.072	-0.070	-0.066	-0.077	-0.075	-0.070	-0.111	-0.109	-0.107	-0.072	-0.066	-0.064
8.76	.795	-0.116	-0.115	-0.113	-0.137	-0.135	-0.132	-0.181	-0.178	-0.176	-0.137	-0.132	-0.129
7.18	.832	-0.155	-0.152	-0.148	-0.150	-0.149	-0.144	-0.263	-0.259	-0.255	-0.208	-0.201	-0.204
5.56	.870	-0.090	-0.090	-0.089	-0.105	-0.104	-0.108	-0.276	-0.272	-0.272	-0.226	-0.222	-0.224
3.93	.908	-0.056	-0.056	-0.054	-0.072	-0.070	-0.072	-0.078	-0.076	-0.075	-0.232	-0.230	-0.232
2.35	.945	-0.035	-0.034	-0.028	-0.044	-0.042	-0.046	-0.111	-0.109	-0.108	-0.092	-0.091	-0.090
1.54	.964	-0.020	-0.019	-0.016	-0.031	-0.030	-0.033	-0.078	-0.076	-0.075	-0.086	-0.085	-0.086
.73	.983	-0.133	-0.132	-0.132	-0.149	-0.148	-0.146	-0.207	-0.206	-0.207	-0.156	-0.157	-0.158
.30	.993	-0.257	-0.256	-0.256	-0.271	-0.270	-0.274	-0.219	-0.219	-0.220	-0.195	-0.196	-0.196
.17	.996	-0.265	-0.265	-0.266	-0.280	-0.282	-0.281	-0.224	-0.224	-0.225	-0.160	-0.161	-0.162
<hr/>													
		$P_{t,1}/P_\infty = 7.05$			$P_{t,1}/P_\infty = 7.00$			$P_{t,1}/P_\infty = 6.99$			$P_{t,1}/P_\infty = 6.87$		
12.01	.719	-0.040	-0.031	-0.020	-0.059	-0.049	-0.016	-0.108	-0.095	-0.082	-0.097	-0.046	-0.034
10.59	.757	-0.075	-0.068	-0.065	-0.080	-0.076	-0.073	-0.111	-0.109	-0.107	-0.071	-0.065	-0.063
8.76	.795	-0.115	-0.113	-0.109	-0.139	-0.137	-0.135	-0.182	-0.179	-0.176	-0.137	-0.131	-0.128
7.18	.832	-0.153	-0.150	-0.145	-0.159	-0.157	-0.146	-0.263	-0.259	-0.255	-0.209	-0.201	-0.204
5.56	.870	-0.097	-0.097	-0.098	-0.108	-0.108	-0.108	-0.276	-0.272	-0.272	-0.226	-0.222	-0.224
3.93	.908	-0.032	-0.032	-0.034	-0.035	-0.037	-0.040	-0.060	-0.059	-0.073	-0.232	-0.230	-0.235
2.35	.945	-0.049	-0.048	-0.043	-0.054	-0.052	-0.046	-0.118	-0.116	-0.115	-0.092	-0.090	-0.092
1.54	.964	-0.107	-0.105	-0.100	-0.109	-0.106	-0.104	-0.181	-0.179	-0.179	-0.097	-0.094	-0.091
.73	.983	-0.172	-0.171	-0.171	-0.169	-0.169	-0.171	-0.218	-0.215	-0.215	-0.145	-0.144	-0.145
.30	.993	-0.209	-0.209	-0.211	-0.197	-0.199	-0.202	-0.225	-0.225	-0.230	-0.159	-0.160	-0.162
.17	.996	-0.217	-0.224	-0.227	-0.208	-0.209	-0.213	-0.230	-0.231	-0.236	-0.164	-0.166	-0.167
<hr/>													
		$P_{t,1}/P_\infty = 8.99$			$P_{t,1}/P_\infty = 8.99$			$P_{t,1}/P_\infty = 9.01$			$P_{t,1}/P_\infty = 8.98$		
12.01	.719	-0.039	-0.030	-0.018	-0.039	-0.028	-0.015	-0.109	-0.095	-0.083	-0.099	-0.049	-0.037
10.59	.757	-0.075	-0.067	-0.064	-0.076	-0.073	-0.068	-0.111	-0.110	-0.106	-0.074	-0.067	-0.066
8.76	.795	-0.116	-0.110	-0.106	-0.138	-0.132	-0.128	-0.182	-0.179	-0.177	-0.135	-0.132	-0.129
7.18	.832	-0.153	-0.148	-0.143	-0.154	-0.148	-0.140	-0.263	-0.259	-0.255	-0.209	-0.201	-0.204
5.56	.870	-0.086	-0.086	-0.086	-0.097	-0.097	-0.105	-0.277	-0.272	-0.271	-0.227	-0.223	-0.222
3.93	.908	-0.051	-0.050	-0.050	-0.066	-0.066	-0.069	-0.077	-0.076	-0.076	-0.235	-0.231	-0.235
2.35	.945	-0.031	-0.031	-0.031	-0.046	-0.046	-0.048	-0.111	-0.109	-0.109	-0.092	-0.090	-0.090
1.54	.964	-0.104	-0.105	-0.105	-0.124	-0.122	-0.121	-0.189	-0.189	-0.187	-0.110	-0.109	-0.109
.73	.983	-0.168	-0.169	-0.169	-0.187	-0.189	-0.188	-0.225	-0.224	-0.221	-0.157	-0.157	-0.157
.30	.993	-0.199	-0.201	-0.209	-0.217	-0.221	-0.224	-0.229	-0.231	-0.236	-0.167	-0.170	-0.173
.17	.996	-0.211	-0.217	-0.221	-0.226	-0.232	-0.239	-0.238	-0.236	-0.241	-0.172	-0.175	-0.179
<hr/>													
		$P_{t,1}/P_\infty = 10.98$						$P_{t,1}/P_\infty = 10.98$					
12.01	.719	-0.039	-0.030	-0.018	-0.039	-0.028	-0.015	-0.109	-0.095	-0.083	-0.099	-0.049	-0.037
10.59	.757	-0.075	-0.067	-0.064	-0.076	-0.073	-0.068	-0.111	-0.110	-0.106	-0.074	-0.067	-0.066
8.76	.795	-0.116	-0.110	-0.106	-0.138	-0.132	-0.128	-0.182	-0.179	-0.177	-0.135	-0.132	-0.129
7.18	.832	-0.153	-0.148	-0.143	-0.154	-0.148	-0.140	-0.263	-0.259	-0.255	-0.209	-0.201	-0.204
5.56	.870	-0.086	-0.086	-0.086	-0.097	-0.097	-0.105	-0.277	-0.272	-0.271	-0.227	-0.223	-0.222
3.93	.908	-0.051	-0.050	-0.050	-0.066	-0.066	-0.069	-0.077	-0.076	-0.076	-0.235	-0.231	-0.235
2.35	.945	-0.031	-0.031	-0.031	-0.046	-0.046	-0.048	-0.111	-0.109	-0.109	-0.092	-0.090	-0.090
1.54	.964	-0.104	-0.105	-0.105	-0.124	-0.122	-0.121	-0.189	-0.189	-0.187	-0.110	-0.109	-0.109
.73	.983	-0.168	-0.169	-0.169	-0.187	-0.189	-0.188	-0.225	-0.224	-0.221	-0.157	-0.157	-0.157
.30	.993	-0.199	-0.201	-0.209	-0.217	-0.221	-0.224	-0.229	-0.231	-0.236	-0.167	-0.170	-0.173
.17	.996	-0.211	-0.217	-0.221	-0.226	-0.232	-0.239	-0.238	-0.236	-0.241	-0.172	-0.175	-0.179
<hr/>													
		$P_{t,1}/P_\infty = 10.98$						$P_{t,1}/P_\infty = 10.98$					
12.01	.719	-0.039	-0.030	-0.018	-0.039	-0.028	-0.015	-0.109	-0.095	-0.083	-0.099	-0.049	-0.037
10.59	.757	-0.075	-0.067	-0.064	-0.076	-0.073	-0.068	-0.111	-0.110	-0.106	-0.074	-0.067	-0.066
8.76	.795	-0.116	-0.110	-0.106	-0.138	-0.132	-0.128	-0.182	-0.179	-0.177	-0.135	-0.132	-0.129
7.18	.832	-0.153	-0.148	-0.143	-0.154	-0.148	-0.140	-0.263	-0.259	-0.255	-0.209	-0.201	-0.204
5.56	.870	-0.086	-0.086	-0.086	-0.097	-0.097	-0.105	-0.277	-0.272	-0.271	-0.227	-0.223	-0.222
3.93	.908	-0.051	-0.050	-0.050	-0.066	-0.066	-0.069	-0.077	-0.076	-0.076	-0.235	-0.231	-0.235
2.35	.945	-0.031	-0.031	-0.031	-0.046	-0.046	-0.048	-0.111	-0.109	-0.109	-0.092	-0.090	-0.090
1.54	.964	-0.104	-0.105	-0.105	-0.124	-0.122	-0.121	-0.189	-0.189	-0.187	-0.110	-0.109	-0.109
.73	.983	-0.168	-0.169	-0.169	-0.187	-0.189	-0.188	-0.225	-0.224	-0.221	-0.157	-0.157	-0.157
.30	.993	-0.199	-0.201	-0.209	-0.217	-0.221	-0.224	-0.229	-0.231	-0.236	-0.167	-0.170	-0.173
.17	.996	-0.211	-0.217	-0.221	-0.226	-0.232	-0.239	-0.238	-0.236	-0.241	-0.172	-0.175	-0.179

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(c) Afterbody II

 $t_1 = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 1.09$			$P_{t,1}/P_\infty = 1.12$			$P_{t,1}/P_\infty = 1.12$			$P_{t,1}/P_\infty = 1.09$		
12.01	0.719	-0.086	-0.080	-0.030	-0.084	-0.018	-0.005	-0.100	-0.096	-0.084	-0.046	-0.043	-0.052
10.39	.737	-0.042	-0.037	-0.031	-0.042	-0.037	-0.031	-0.087	-0.083	-0.077	-0.049	-0.044	-0.038
8.76	.755	-0.016	-0.015	-0.013	-0.016	-0.015	-0.013	-0.117	-0.115	-0.113	-0.076	-0.074	-0.074
7.18	.832	-0.121	-0.118	-0.116	-0.144	-0.142	-0.139	-0.171	-0.169	-0.167	-0.119	-0.120	-0.118
5.56	.870	-0.152	-0.152	-0.152	-0.191	-0.191	-0.191	-0.270	-0.270	-0.271	-0.211	-0.210	-0.209
3.93	.906	-0.130	-0.130	-0.132	-0.154	-0.154	-0.157	-0.331	-0.328	-0.332	-0.271	-0.274	-0.270
2.35	.945	-0.024	-0.024	-0.030	-0.017	-0.021	-0.025	-0.067	-0.061	-0.058	-0.159	-0.187	-0.229
1.54	.964	.056	.055	.045	.071	.067	.065	.116	.115	.113	.032	.026	.020
.75	.983	.140	.138	.135	.153	.151	.151	.142	.140	.140	.066	.065	.065
.30	.999	.194	.192	.192	.189	.189	.189	.149	.151	.151	.080	.080	.081
.17	.996	.189	.187	.189	.194	.194	.194	.155	.154	.155	.086	.089	.086
		$P_{t,1}/P_\infty = 1.98$			$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 1.99$		
12.01	.719	-0.086	-0.021	-0.030	-0.024	-0.017	-0.006	-0.099	-0.096	-0.083	-0.049	-0.046	-0.035
10.39	.737	-0.042	-0.037	-0.031	-0.042	-0.036	-0.030	-0.095	-0.083	-0.077	-0.053	-0.046	-0.040
8.76	.755	-0.016	-0.015	-0.013	-0.016	-0.015	-0.013	-0.115	-0.114	-0.111	-0.079	-0.076	-0.077
7.18	.832	-0.120	-0.117	-0.115	-0.142	-0.139	-0.136	-0.169	-0.167	-0.164	-0.121	-0.122	-0.120
5.56	.870	-0.144	-0.150	-0.150	-0.185	-0.187	-0.185	-0.270	-0.268	-0.270	-0.215	-0.215	-0.212
3.93	.906	-0.126	-0.124	-0.129	-0.147	-0.146	-0.150	-0.306	-0.305	-0.331	-0.275	-0.275	-0.275
2.35	.945	-0.015	-0.016	-0.023	-0.005	-0.009	-0.014	-0.074	-0.068	-0.065	-0.155	-0.184	-0.224
1.54	.964	.064	.064	.060	.086	.081	.076	.124	.122	.122	.029	.022	.018
.75	.983	.152	.149	.145	.167	.166	.166	.146	.146	.146	.062	.059	.060
.30	.999	.189	.186	.185	.196	.197	.199	.155	.156	.160	.074	.075	.079
.17	.996	.195	.196	.197	.202	.205	.206	.160	.160	.162	.081	.082	.089
		$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 3.02$		
12.01	.719	-0.027	-0.021	-0.009	-0.022	-0.015	-0.004	-0.101	-0.096	-0.084	-0.049	-0.046	-0.035
10.39	.737	-0.042	-0.037	-0.031	-0.040	-0.035	-0.029	-0.089	-0.085	-0.077	-0.050	-0.045	-0.039
8.76	.755	-0.077	-0.076	-0.071	-0.085	-0.083	-0.078	-0.115	-0.115	-0.112	-0.079	-0.077	-0.077
7.18	.832	-0.120	-0.117	-0.117	-0.139	-0.138	-0.136	-0.171	-0.169	-0.164	-0.119	-0.122	-0.120
5.56	.870	-0.150	-0.150	-0.151	-0.184	-0.185	-0.184	-0.272	-0.270	-0.272	-0.215	-0.215	-0.211
3.93	.906	-0.126	-0.125	-0.129	-0.146	-0.146	-0.151	-0.350	-0.348	-0.332	-0.276	-0.272	-0.274
2.35	.945	-0.015	-0.019	-0.022	-0.005	-0.009	-0.014	-0.071	-0.068	-0.065	-0.151	-0.185	-0.225
1.54	.964	.066	.063	.057	.086	.082	.074	.122	.123	.124	.026	.021	.019
.75	.983	.149	.149	.147	.171	.166	.167	.148	.147	.151	.060	.061	.064
.30	.999	.185	.185	.182	.197	.196	.201	.159	.158	.161	.075	.075	.079
.17	.996	.194	.195	.195	.204	.206	.206	.164	.164	.167	.080	.082	.086
		$P_{t,1}/P_\infty = 4.98$			$P_{t,1}/P_\infty = 4.96$			$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 5.02$		
12.01	.719	-0.028	-0.021	-0.012	-0.023	-0.017	-0.007	-0.103	-0.099	-0.089	-0.051	-0.050	-0.042
10.39	.737	-0.042	-0.037	-0.031	-0.049	-0.037	-0.029	-0.091	-0.087	-0.081	-0.051	-0.045	-0.039
8.76	.755	-0.077	-0.076	-0.071	-0.089	-0.082	-0.079	-0.119	-0.118	-0.116	-0.080	-0.078	-0.076
7.18	.832	-0.120	-0.118	-0.115	-0.140	-0.138	-0.135	-0.172	-0.172	-0.168	-0.121	-0.124	-0.121
5.56	.870	-0.149	-0.149	-0.148	-0.184	-0.184	-0.184	-0.274	-0.273	-0.275	-0.214	-0.213	-0.213
3.93	.906	-0.124	-0.124	-0.127	-0.145	-0.141	-0.147	-0.354	-0.353	-0.337	-0.279	-0.275	-0.275
2.35	.945	-0.011	-0.015	-0.019	-0.001	-0.003	-0.009	-0.065	-0.058	-0.055	-0.147	-0.181	-0.220
1.54	.964	.071	.069	.063	.091	.087	.081	.115	.114	.114	.026	.021	.019
.75	.983	.160	.158	.156	.174	.172	.173	.140	.139	.140	.058	.050	.054
.30	.999	.195	.194	.194	.203	.202	.203	.148	.147	.152	.074	.075	.080
.17	.996	.205	.205	.205	.212	.211	.212	.153	.154	.158	.081	.084	.087
								$P_{t,1}/P_\infty = 6.98$			$P_{t,1}/P_\infty = 6.99$		
12.01	.719							-0.102	-0.099	-0.089	-0.052	-0.052	-0.040
10.39	.737							-0.086	-0.085	-0.081	-0.052	-0.046	-0.036
8.76	.755							-0.119	-0.117	-0.115	-0.080	-0.079	-0.078
7.18	.832							-0.171	-0.171	-0.167	-0.121	-0.123	-0.120
5.56	.870							-0.271	-0.274	-0.273	-0.213	-0.213	-0.213
3.93	.906							-0.350	-0.348	-0.334	-0.279	-0.275	-0.275
2.35	.945							.070	.065	.061	-0.131	-0.165	-0.200
1.54	.964							.161	.159	.158	.030	.025	.022
.75	.983							.186	.186	.187	.049	.054	.060
.30	.999							.199	.196	.199	.080	.080	.086
.17	.996							.199	.162	.166	.088	.086	.094

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody II - Continued

 $t_j = 800^\circ F$

$\frac{x}{d_j}$		$\frac{x}{L_{max}}$		Pressure coefficients for -											
				$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.20$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,j}/P_\infty = 1.96$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.05$			$P_{t,j}/P_\infty = 2.08$		
12.01	0.719	-0.088	-0.081	-0.011	-0.027	-0.019	-0.008	-0.100	-0.097	-0.085	-0.044	-0.043	-0.034		
10.39	.757	-0.044	-0.059	-0.051	-0.046	-0.040	-0.035	-0.088	-0.085	-0.078	-0.049	-0.046	-0.040		
8.76	.795	-0.079	-0.078	-0.073	-0.090	-0.087	-0.083	-0.117	-0.117	-0.114	-0.074	-0.072	-0.068		
7.12	.832	-0.122	-0.120	-0.116	-0.145	-0.144	-0.139	-0.171	-0.170	-0.165	-0.118	-0.118	-0.116		
5.56	.870	-0.231	-0.192	-0.151	-0.190	-0.190	-0.191	-0.270	-0.271	-0.278	-0.210	-0.210	-0.210		
3.95	.908	-0.128	-0.128	-0.129	-0.151	-0.150	-0.153	-0.228	-0.228	-0.232	-0.273	-0.269	-0.272		
2.35	.945	-0.014	-0.013	-0.022	-0.005	-0.009	-0.014	-0.075	-0.069	-0.067	-0.135	-0.129	-0.209		
1.54	.964	.070	.066	.061	.085	.083	.077	.124	.121	.121	.088	.081	.019		
.75	.983	.125	.121	.120	.168	.166	.166	.147	.144	.147	.091	.089	.054		
.30	.995	.168	.167	.168	.197	.195	.195	.156	.156	.156	.064	.064	.058		
.17	.996	.199	.199	.200	.224	.224	.225	.161	.160	.163	.070	.071	.073		
<hr/>															
		$P_{t,j}/P_\infty = 3.02$			$P_{t,j}/P_\infty = 2.99$			$P_{t,j}/P_\infty = 3.02$			$P_{t,j}/P_\infty = 3.04$				
12.01	.719	-0.027	-0.022	-0.010	-0.024	-0.017	-0.005	-0.101	-0.096	-0.086	-0.045	-0.044	-0.034		
10.39	.757	-0.042	-0.037	-0.029	-0.042	-0.036	-0.030	-0.088	-0.085	-0.078	-0.049	-0.046	-0.040		
8.76	.795	-0.079	-0.077	-0.072	-0.090	-0.087	-0.083	-0.117	-0.117	-0.114	-0.074	-0.072	-0.068		
7.12	.832	-0.120	-0.118	-0.115	-0.141	-0.141	-0.136	-0.171	-0.170	-0.166	-0.118	-0.118	-0.116		
5.56	.870	-0.149	-0.151	-0.150	-0.185	-0.186	-0.187	-0.271	-0.270	-0.272	-0.212	-0.211	-0.211		
3.95	.908	-0.127	-0.126	-0.130	-0.147	-0.147	-0.150	-0.248	-0.247	-0.252	-0.274	-0.271	-0.273		
2.35	.945	-0.013	-0.017	-0.020	-0.004	-0.008	-0.013	-0.074	-0.069	-0.065	-0.147	-0.145	-0.218		
1.54	.964	.087	.086	.080	.105	.105	.102	.123	.122	.122	.084	.084	.057		
.75	.983	.125	.120	.119	.170	.168	.166	.147	.144	.147	.096	.094	.068		
.30	.995	.187	.187	.187	.197	.197	.197	.156	.155	.157	.098	.099	.064		
.17	.996	.198	.197	.197	.206	.206	.206	.160	.159	.162	.094	.096	.071		
<hr/>															
		$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.98$			$P_{t,j}/P_\infty = 4.98$				
12.01	.719	-0.027	-0.028	-0.011	-0.025	-0.016	-0.004	-0.100	-0.096	-0.085	-0.050	-0.048	-0.038		
10.39	.757	-0.045	-0.038	-0.032	-0.040	-0.036	-0.028	-0.088	-0.085	-0.078	-0.051	-0.048	-0.041		
8.76	.795	-0.078	-0.076	-0.072	-0.094	-0.085	-0.079	-0.117	-0.117	-0.113	-0.075	-0.073	-0.073		
7.12	.832	-0.120	-0.119	-0.116	-0.139	-0.138	-0.135	-0.171	-0.169	-0.168	-0.120	-0.119	-0.121		
5.56	.870	-0.150	-0.151	-0.150	-0.187	-0.184	-0.185	-0.271	-0.271	-0.272	-0.212	-0.211	-0.211		
3.95	.908	-0.127	-0.127	-0.128	-0.145	-0.145	-0.147	-0.248	-0.247	-0.252	-0.274	-0.271	-0.273		
2.35	.945	-0.011	-0.012	-0.019	.001	-0.005	-0.009	.073	.069	.066	-0.142	-0.139	-0.211		
1.54	.964	.072	.068	.065	.091	.088	.082	.126	.123	.124	.084	.080	.038		
.75	.983	.125	.124	.125	.175	.171	.170	.149	.148	.150	.094	.094	.068		
.30	.995	.192	.190	.190	.201	.201	.202	.160	.157	.160	.098	.098	.072		
.17	.996	.201	.200	.201	.211	.209	.210	.163	.163	.165	.073	.073	.079		
<hr/>															
		$P_{t,j}/P_\infty = 6.99$			$P_{t,j}/P_\infty = 7.00$			$P_{t,j}/P_\infty = 6.98$			$P_{t,j}/P_\infty = 6.99$				
12.01	.719	-0.029	-0.025	-0.013	-0.025	-0.017	-0.005	-0.100	-0.096	-0.085	-0.046	-0.046	-0.036		
10.39	.757	-0.045	-0.040	-0.035	-0.041	-0.038	-0.029	-0.087	-0.084	-0.078	-0.051	-0.048	-0.042		
8.76	.795	-0.081	-0.078	-0.074	-0.095	-0.085	-0.080	-0.115	-0.115	-0.113	-0.076	-0.075	-0.070		
7.12	.832	-0.120	-0.120	-0.117	-0.141	-0.140	-0.135	-0.170	-0.169	-0.165	-0.119	-0.121	-0.119		
5.56	.870	-0.152	-0.152	-0.152	-0.185	-0.184	-0.185	-0.271	-0.271	-0.271	-0.213	-0.213	-0.214		
3.95	.908	-0.126	-0.125	-0.128	-0.144	-0.145	-0.147	-0.247	-0.246	-0.251	-0.276	-0.274	-0.273		
2.35	.945	-0.007	-0.012	-0.017	.006	.000	-0.004	.076	.072	.070	-0.147	-0.140	-0.212		
1.54	.964	.076	.074	.069	.100	.095	.089	.126	.127	.127	.083	.081	.035		
.75	.983	.126	.126	.126	.163	.161	.178	.153	.152	.152	.094	.094	.070		
.30	.995	.199	.197	.198	.209	.208	.208	.165	.162	.164	.091	.091	.069		
.17	.996	.205	.206	.207	.215	.214	.215	.168	.167	.169	.097	.098	.075		
<hr/>															
		$P_{t,j}/P_\infty = 9.01$			$P_{t,j}/P_\infty = 9.01$			$P_{t,j}/P_\infty = 9.00$			$P_{t,j}/P_\infty = 8.97$				
12.01	.719	-0.026	-0.022	-0.010	-0.023	-0.015	-0.004	-0.100	-0.096	-0.085	-0.045	-0.045	-0.037		
10.39	.757	-0.042	-0.037	-0.030	-0.041	-0.036	-0.029	-0.088	-0.085	-0.078	-0.051	-0.048	-0.041		
8.76	.795	-0.077	-0.075	-0.071	-0.095	-0.082	-0.078	-0.117	-0.117	-0.113	-0.075	-0.073	-0.069		
7.12	.832	-0.117	-0.117	-0.113	-0.139	-0.139	-0.135	-0.171	-0.169	-0.165	-0.119	-0.120	-0.118		
5.56	.870	-0.149	-0.148	-0.148	-0.182	-0.182	-0.185	-0.270	-0.271	-0.271	-0.214	-0.213	-0.215		
3.95	.908	-0.122	-0.120	-0.123	-0.139	-0.143	-0.145	-0.248	-0.248	-0.250	-0.277	-0.275	-0.275		
2.35	.945	.003	.003	.003	.015	.009	.004	.083	.079	.077	-0.120	-0.121	-0.275		
1.54	.964	.091	.086	.082	.110	.107	.100	.134	.133	.134	.030	.024	.022		
.75	.983	.151	.148	.144	.174	.172	.169	.160	.159	.162	.094	.090	.074		
.30	.995	.210	.209	.209	.217	.215	.216	.169	.169	.170	.094	.096	.069		
.17	.996	.216	.217	.216	.222	.222	.224	.173	.173	.175	.070	.073	.076		
<hr/>															
		$P_{t,j}/P_\infty = 10.99$		$P_{t,j}/P_\infty = 11.01$											
12.01	.719	-0.102	-0.095	-0.086	-0.045	-0.045	-0.035								
10.39	.757	-0.082	-0.078	-0.078	-0.050	-0.047	-0.040								
8.76	.795	-0.117	-0.115	-0.113	-0.075	-0.071	-0.067								
7.12	.832	-0.171	-0.170	-0.165	-0.117	-0.119	-0.117								
5.56	.870	-0.216	-0.212	-0.211	-0.212	-0.212	-0.211								
3.95	.908	-0.094	-0.091	-0.084	-0.275	-0.272	-0.273								
2.35	.945	-0.004	-0.001	-0.004	-0.067	-0.065	-0.065								
1.54	.964	.144	.144	.144	.082	.081	.081								
.75	.983	.170	.171	.172	.064	.061	.065								
.30	.995	.179	.180	.182	.076	.073	.079								
.17	.996	.182	.184	.186	.080	.082	.086								

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(c) Afterbody II - Continued

 $t_1 = 1,200^\circ \text{F}$

$\frac{x}{L_{max}}$	$\frac{x}{d_j}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 2.01$			$P_{t,1}/P_\infty = 1.96$			$P_{t,1}/P_\infty = 1.91$			$P_{t,1}/P_\infty = 2.09$		
12.01	0.719	-0.029	-0.022	-0.011	-0.023	-0.015	-0.006	-0.099	-0.093	-0.085	-0.090	-0.046	-0.037
10.39	0.757	-0.044	-0.039	-0.034	-0.040	-0.036	-0.028	-0.086	-0.083	-0.077	-0.081	-0.046	-0.040
8.76	0.792	-0.060	-0.077	-0.074	-0.064	-0.082	-0.079	-0.116	-0.114	-0.113	-0.076	-0.079	-0.076
7.18	0.832	-0.122	-0.121	-0.117	-0.139	-0.138	-0.135	-0.169	-0.168	-0.164	-0.120	-0.122	-0.120
5.56	0.870	-0.152	-0.152	-0.153	-0.185	-0.184	-0.185	-0.269	-0.269	-0.271	-0.213	-0.213	-0.212
3.93	0.908	-0.128	-0.128	-0.129	-0.146	-0.146	-0.147	-0.322	-0.319	-0.326	-0.276	-0.272	-0.274
2.35	0.945	-0.014	-0.019	-0.022	-0.000	-0.002	-0.009	-0.081	-0.081	-0.078	-0.119	-0.146	-0.181
1.54	0.964	0.068	0.067	0.060	0.091	0.088	0.082	0.136	0.136	0.135	0.033	0.028	0.025
.73	0.983	0.156	0.151	0.150	0.173	0.171	0.170	0.161	0.161	0.161	0.064	0.064	0.067
.30	0.993	0.187	0.187	0.187	0.200	0.200	0.201	0.170	0.171	0.171	0.078	0.078	0.088
.17	0.996	0.196	0.197	0.197	0.209	0.209	0.209	0.174	0.175	0.175	0.083	0.080	0.087
<hr/>													
$P_{t,1}/P_\infty = 3.03$													
12.01	0.719	-0.028	-0.021	-0.011	-0.022	-0.015	-0.005	-0.101	-0.093	-0.087	-0.092	-0.049	-0.039
10.39	0.757	-0.043	-0.040	-0.032	-0.041	-0.037	-0.030	-0.088	-0.085	-0.078	-0.092	-0.047	-0.040
8.76	0.792	-0.078	-0.077	-0.073	-0.086	-0.085	-0.080	-0.119	-0.117	-0.115	-0.077	-0.079	-0.076
7.18	0.832	-0.121	-0.119	-0.117	-0.142	-0.142	-0.136	-0.172	-0.172	-0.166	-0.122	-0.124	-0.121
5.56	0.870	-0.152	-0.152	-0.153	-0.187	-0.186	-0.186	-0.274	-0.272	-0.274	-0.214	-0.214	-0.214
3.93	0.908	-0.128	-0.126	-0.129	-0.146	-0.146	-0.149	-0.320	-0.323	-0.326	-0.279	-0.276	-0.275
2.35	0.945	-0.015	-0.018	-0.022	-0.002	-0.005	-0.012	-0.085	-0.081	-0.079	-0.123	-0.149	-0.185
1.54	0.964	0.068	0.066	0.060	0.099	0.096	0.090	0.138	0.138	0.138	0.067	0.065	0.061
.73	0.983	0.155	0.150	0.149	0.171	0.169	0.168	0.163	0.163	0.163	0.099	0.099	0.099
.30	0.993	0.187	0.186	0.186	0.199	0.198	0.198	0.173	0.173	0.173	0.078	0.078	0.076
.17	0.996	0.190	0.190	0.190	0.205	0.206	0.207	0.177	0.177	0.179	0.078	0.079	0.085
<hr/>													
$P_{t,1}/P_\infty = 4.99$													
12.01	0.719	-0.028	-0.022	-0.012	-0.025	-0.016	-0.005	-0.100	-0.095	-0.084	-0.094	-0.092	-0.043
10.39	0.757	-0.044	-0.039	-0.034	-0.041	-0.036	-0.030	-0.088	-0.085	-0.084	-0.094	-0.046	-0.040
8.76	0.792	-0.078	-0.078	-0.074	-0.084	-0.084	-0.080	-0.118	-0.116	-0.114	-0.078	-0.079	-0.077
7.18	0.832	-0.122	-0.121	-0.118	-0.141	-0.139	-0.136	-0.171	-0.171	-0.165	-0.121	-0.123	-0.121
5.56	0.870	-0.152	-0.153	-0.152	-0.186	-0.184	-0.185	-0.272	-0.272	-0.272	-0.214	-0.214	-0.212
3.93	0.908	-0.127	-0.128	-0.128	-0.145	-0.145	-0.148	-0.327	-0.325	-0.321	-0.281	-0.276	-0.276
2.35	0.945	-0.012	-0.016	-0.020	-0.001	-0.004	-0.009	-0.080	-0.078	-0.076	-0.129	-0.147	-0.174
1.54	0.964	0.072	0.069	0.063	0.092	0.088	0.083	0.133	0.133	0.133	0.033	0.030	0.025
.73	0.983	0.158	0.153	0.153	0.173	0.172	0.171	0.158	0.160	0.162	0.074	0.072	0.074
.30	0.993	0.191	0.189	0.189	0.201	0.201	0.201	0.168	0.168	0.168	0.087	0.086	0.089
.17	0.996	0.200	0.199	0.199	0.209	0.208	0.209	0.172	0.172	0.176	0.092	0.092	0.095
<hr/>													
$P_{t,1}/P_\infty = 6.97$													
12.01	0.719	-0.028	-0.021	-0.010	-0.025	-0.016	-0.005	-0.100	-0.094	-0.086	-0.095	-0.093	-0.044
10.39	0.757	-0.041	-0.038	-0.030	-0.040	-0.036	-0.030	-0.086	-0.084	-0.077	-0.093	-0.049	-0.041
8.76	0.792	-0.079	-0.076	-0.072	-0.085	-0.083	-0.080	-0.117	-0.116	-0.113	-0.079	-0.080	-0.079
7.18	0.832	-0.118	-0.119	-0.114	-0.140	-0.139	-0.136	-0.171	-0.169	-0.165	-0.123	-0.125	-0.123
5.56	0.870	-0.149	-0.150	-0.149	-0.184	-0.184	-0.185	-0.272	-0.271	-0.271	-0.215	-0.216	-0.215
3.93	0.908	-0.128	-0.124	-0.125	-0.145	-0.145	-0.146	-0.325	-0.321	-0.326	-0.282	-0.279	-0.276
2.35	0.945	-0.005	-0.009	-0.013	-0.005	-0.001	-0.004	-0.085	-0.082	-0.080	-0.119	-0.137	-0.165
1.54	0.964	0.082	0.076	0.073	0.095	0.095	0.090	0.138	0.140	0.137	0.031	0.029	0.025
.73	0.983	0.169	0.167	0.163	0.183	0.179	0.178	0.166	0.167	0.166	0.088	0.089	0.070
.30	0.993	0.202	0.199	0.200	0.206	0.206	0.206	0.174	0.176	0.177	0.081	0.084	0.080
.17	0.996	0.210	0.208	0.209	0.212	0.213	0.213	0.179	0.180	0.180	0.087	0.086	0.090
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$P_{t,1}/P_\infty = 8.96$													
12.01	0.719	-0.028	-0.022	-0.010	-0.022	-0.016	-0.004	-0.100	-0.094	-0.086	-0.046	-0.043	-0.036
10.39	0.757	-0.044	-0.036	-0.032	-0.041	-0.036	-0.028	-0.087	-0.084	-0.078	-0.049	-0.047	-0.042
8.76	0.792	-0.078	-0.076	-0.071	-0.084	-0.082	-0.078	-0.117	-0.116	-0.114	-0.078	-0.072	-0.068
7.18	0.832	-0.119	-0.118	-0.114	-0.136	-0.138	-0.135	-0.171	-0.170	-0.165	-0.116	-0.118	-0.117
5.56	0.870	-0.149	-0.151	-0.147	-0.181	-0.180	-0.181	-0.272	-0.271	-0.273	-0.213	-0.213	-0.213
3.93	0.908	-0.121	-0.121	-0.121	-0.137	-0.136	-0.139	-0.320	-0.318	-0.327	-0.276	-0.275	-0.275
2.35	0.945	0.002	-0.001	-0.005	0.017	0.012	0.007	-0.088	-0.086	-0.084	-0.098	-0.115	-0.147
1.54	0.964	0.093	0.089	0.084	0.114	0.109	0.103	0.142	0.143	0.143	0.032	0.029	0.025
.73	0.983	0.183	0.179	0.177	0.195	0.192	0.191	0.169	0.171	0.171	0.088	0.088	0.085
.30	0.993	0.211	0.209	0.209	0.217	0.216	0.218	0.178	0.179	0.180	0.089	0.072	0.073
.17	0.996	0.220	0.217	0.220	0.222	0.222	0.224	0.181	0.181	0.184	0.075	0.076	0.080
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$P_{t,1}/P_\infty = 10.99$													
12.01	0.719	-0.098	-0.094	-0.085	-0.098	-0.094	-0.085	-0.098	-0.094	-0.085	-0.046	-0.046	-0.037
10.39	0.757	-0.086	-0.086	-0.083	-0.086	-0.083	-0.078	-0.086	-0.083	-0.078	-0.031	-0.049	-0.048
8.76	0.792	-0.115	-0.114	-0.111	-0.115	-0.114	-0.111	-0.115	-0.114	-0.111	-0.076	-0.073	-0.069
7.18	0.832	-0.168	-0.168	-0.167	-0.168	-0.167	-0.167	-0.168	-0.167	-0.167	-0.119	-0.121	-0.119
5.56	0.870	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.214	-0.214	-0.214
3.93	0.908	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.312	-0.274	-0.274	-0.274
2.35	0.945	-0.095	-0.092	-0.090	-0.095	-0.092	-0.090	-0.095	-0.092	-0.090	-0.061	-0.074	-0.101
1.54	0.964	0.144	0.143	0.143	0.144	0.143	0.143	0.144	0.143	0.143	0.040	0.036	0.036
.73	0.983	0.168	0.169	0.170	0.168	0.169	0.170	0.168	0.169	0.170	0.062	0.060	0.053
.30	0.993	0.177	0.177	0.179	0.177	0.177	0.179	0.177	0.177	0.179	0.070	0.070	0.077
.17	0.996	0.180	0.182	0.183	0.180	0.182	0.183	0.180	0.183	0.183	0.070	0.080	0.085

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(d) Afterbody III

 $t_d = \text{Cold}$

$\frac{x}{d}$ $\frac{x}{t_{\max}}$		Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,d}/P_\infty = 1.04$			$P_{t,d}/P_\infty = 1.04$			$P_{t,d}/P_\infty = 1.01$			$P_{t,d}/P_\infty = 0.94$		
12.01	0.719	-0.018	-0.012	0.001	-0.014	-0.006	0.008	-0.101	-0.097	-0.080	-0.050	-0.043	-0.030
10.39	.757	-0.044	-0.019	-0.013	-0.020	-0.014	-0.008	-0.086	-0.080	-0.074	-0.058	-0.050	-0.042
8.76	.795	-0.082	-0.049	-0.027	-0.062	-0.042	-0.022	-0.074	-0.071	-0.067	-0.052	-0.050	-0.042
7.18	.832	-0.095	-0.045	-0.043	-0.049	-0.043	-0.042	-0.062	-0.061	-0.060	-0.052	-0.050	-0.049
5.56	.870	-0.099	-0.050	-0.055	-0.104	-0.059	-0.101	-0.075	-0.089	-0.089	-0.073	-0.068	-0.069
3.93	.908	-0.205	-0.200	-0.200	-0.235	-0.235	-0.235	-0.196	-0.196	-0.196	-0.156	-0.154	-0.154
2.35	.945	-0.250	-0.252	-0.267	-0.261	-0.265	-0.265	-0.267	-0.269	-0.262	-0.409	-0.394	-0.385
1.54	.964	-0.005	-0.005	-0.005	-0.005	-0.005	-0.007	-0.015	-0.021	-0.021	-0.101	-0.113	-0.128
.73	.983	.003	.003	.003	.003	.003	.003	.005	.005	.001	-0.082	-0.086	-0.088
.30	.993	.090	.090	.088	.066	.066	.064	.003	.001	.001	-0.084	-0.086	-0.088
.17	.996	.088	.088	.089	.064	.064	.061	.001	.001	.001	-0.084	-0.088	-0.088
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$\frac{x}{d}$ $\frac{x}{t_{\max}}$		Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,d}/P_\infty = 1.97$			$P_{t,d}/P_\infty = 2.00$			$P_{t,d}/P_\infty = 2.10$			$P_{t,d}/P_\infty = 2.00$		
12.01	.719	-0.019	-0.013	-0.000	-0.013	-0.004	0.008	-0.101	-0.094	-0.079	-0.049	-0.043	-0.030
10.39	.757	-0.025	-0.019	-0.014	-0.019	-0.013	-0.007	-0.086	-0.079	-0.074	-0.057	-0.050	-0.042
8.76	.795	-0.038	-0.029	-0.026	-0.027	-0.024	-0.021	-0.073	-0.070	-0.066	-0.061	-0.060	-0.052
7.18	.832	-0.047	-0.045	-0.045	-0.042	-0.042	-0.041	-0.061	-0.060	-0.058	-0.051	-0.049	-0.050
5.56	.870	-0.100	-0.095	-0.096	-0.105	-0.100	-0.099	-0.093	-0.087	-0.087	-0.073	-0.067	-0.068
3.93	.908	-0.202	-0.202	-0.203	-0.225	-0.224	-0.224	-0.196	-0.196	-0.196	-0.156	-0.154	-0.154
2.35	.945	-0.261	-0.272	-0.283	-0.276	-0.298	-0.316	-0.316	-0.316	-0.316	-0.407	-0.391	-0.377
1.54	.964	-0.004	-0.003	-0.003	.013	.001	.012	-0.011	-0.021	-0.021	-0.112	-0.135	-0.147
.73	.983	.003	.003	.003	.003	.003	.003	.007	.009	.009	-0.099	-0.105	-0.109
.30	.993	.076	.071	.070	.050	.051	.050	.009	.011	.011	-0.108	-0.108	-0.109
.17	.996	.077	.073	.074	.054	.053	.049	.007	.009	.009	-0.102	-0.107	-0.108
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$\frac{x}{d}$ $\frac{x}{t_{\max}}$		Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,d}/P_\infty = 3.01$			$P_{t,d}/P_\infty = 2.99$			$P_{t,d}/P_\infty = 3.00$			$P_{t,d}/P_\infty = 3.00$		
12.01	.719	-0.019	-0.012	0.002	-0.013	-0.004	0.009	-0.101	-0.094	-0.080	-0.049	-0.043	-0.030
10.39	.757	-0.024	-0.018	-0.013	-0.020	-0.013	-0.007	-0.086	-0.080	-0.074	-0.057	-0.050	-0.042
8.76	.795	-0.031	-0.028	-0.026	-0.028	-0.024	-0.022	-0.074	-0.072	-0.067	-0.060	-0.059	-0.052
7.18	.832	-0.046	-0.045	-0.044	-0.045	-0.042	-0.042	-0.063	-0.062	-0.060	-0.053	-0.050	-0.050
5.56	.870	-0.100	-0.095	-0.094	-0.104	-0.099	-0.099	-0.093	-0.091	-0.091	-0.073	-0.068	-0.068
3.93	.908	-0.202	-0.202	-0.202	-0.225	-0.224	-0.224	-0.200	-0.196	-0.196	-0.156	-0.154	-0.154
2.35	.945	-0.261	-0.272	-0.283	-0.276	-0.298	-0.316	-0.316	-0.316	-0.316	-0.407	-0.391	-0.377
1.54	.964	-0.004	-0.003	-0.003	.013	.001	.012	-0.011	-0.021	-0.021	-0.112	-0.135	-0.147
.73	.983	.003	.003	.003	.003	.003	.003	.007	.009	.009	-0.099	-0.105	-0.109
.30	.993	.076	.071	.070	.050	.051	.050	.009	.011	.011	-0.108	-0.108	-0.109
.17	.996	.077	.073	.074	.054	.053	.049	.007	.009	.009	-0.102	-0.107	-0.108
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$\frac{x}{d}$ $\frac{x}{t_{\max}}$		Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,d}/P_\infty = 4.96$			$P_{t,d}/P_\infty = 4.97$			$P_{t,d}/P_\infty = 4.97$			$P_{t,d}/P_\infty = 5.00$		
12.01	.719	-0.021	-0.013	0.000	-0.014	-0.005	0.007	-0.100	-0.094	-0.078	-0.049	-0.042	-0.030
10.39	.757	-0.025	-0.020	-0.013	-0.020	-0.014	-0.008	-0.087	-0.080	-0.074	-0.057	-0.048	-0.041
8.76	.795	-0.033	-0.029	-0.027	-0.027	-0.024	-0.022	-0.074	-0.071	-0.067	-0.060	-0.059	-0.052
7.18	.832	-0.048	-0.045	-0.045	-0.045	-0.042	-0.042	-0.062	-0.061	-0.059	-0.052	-0.049	-0.049
5.56	.870	-0.102	-0.095	-0.096	-0.104	-0.099	-0.099	-0.093	-0.091	-0.091	-0.073	-0.068	-0.068
3.93	.908	-0.203	-0.204	-0.209	-0.226	-0.224	-0.224	-0.200	-0.196	-0.196	-0.156	-0.154	-0.154
2.35	.945	-0.263	-0.275	-0.288	-0.265	-0.292	-0.321	-0.321	-0.321	-0.321	-0.407	-0.391	-0.377
1.54	.964	-0.004	-0.003	-0.003	.013	.001	.012	-0.011	-0.021	-0.021	-0.112	-0.135	-0.147
.73	.983	.003	.003	.003	.003	.003	.003	.007	.009	.009	-0.099	-0.105	-0.109
.30	.993	.076	.071	.070	.050	.051	.050	.009	.011	.011	-0.108	-0.108	-0.109
.17	.996	.077	.073	.074	.054	.053	.049	.007	.009	.009	-0.102	-0.107	-0.108
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$\frac{x}{d}$ $\frac{x}{t_{\max}}$		Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,d}/P_\infty = 5.98$			$P_{t,d}/P_\infty = 5.98$			$P_{t,d}/P_\infty = 5.98$			$P_{t,d}/P_\infty = 6.99$		
12.01	.719	-0.021	-0.013	0.000	-0.014	-0.005	0.007	-0.100	-0.094	-0.078	-0.049	-0.042	-0.030
10.39	.757	-0.025	-0.020	-0.013	-0.020	-0.014	-0.008	-0.087	-0.080	-0.074	-0.057	-0.048	-0.041
8.76	.795	-0.033	-0.029	-0.027	-0.027	-0.024	-0.022	-0.074	-0.071	-0.067	-0.060	-0.059	-0.052
7.18	.832	-0.048	-0.045	-0.045	-0.045	-0.042	-0.042	-0.062	-0.061	-0.059	-0.052	-0.049	-0.049
5.56	.870	-0.102	-0.095	-0.096	-0.104	-0.099	-0.099	-0.093	-0.091	-0.091	-0.073	-0.068	-0.068
3.93	.908	-0.203	-0.204	-0.209	-0.226	-0.224	-0.224	-0.200	-0.196	-0.196	-0.156	-0.154	-0.154
2.35	.945	-0.263	-0.275	-0.288	-0.265	-0.292	-0.321	-0.321	-0.321	-0.321	-0.407	-0.391	-0.377
1.54	.964	-0.004	-0.003	-0.003	.013	.001	.012	-0.011	-0.021	-0.021	-0.112	-0.135	-0.147
.73	.983	.003	.003	.003	.003	.003	.003	.007	.009	.009	-0.099	-0.105	-0.109
.30	.993	.076	.071	.070	.050	.051	.050	.009	.011	.011	-0.108	-0.108	-0.109
.17	.996	.077	.073	.074	.054	.053	.049	.007	.009	.009	-0.102	-0.107	-0.108
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$\frac{x}{d}$ $\frac{x}{t_{\max}}$		Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,d}/P_\infty = 6.98$			$P_{t,d}/P_\infty = 6.98$			$P_{t,d}/P_\infty = 6.98$			$P_{t,d}/P_\infty = 6.99$		
12.01	.719	-0.021	-0.013	0.000	-0.014	-0.005	0.007	-0.100	-0.094	-0.078	-0.049	-0.042	-0.030
10.39	.757	-0.025	-0.020	-0.013	-0.020	-0.014	-0.008	-0.087	-0.080	-0.074	-0.057	-0.048	-0.041
8.76	.795	-0.033	-0.029	-0.027	-0.027	-0.024	-0.022	-0.074	-0.071	-0.067	-0.060	-0.059	-0.052
7.18	.832	-0.048	-0.045	-0.045	-0.045	-0.042	-0.042	-0.062	-0.061	-0.059	-0.052	-0.049	-0.049
5.56	.870	-0.102	-0.095	-0.096	-0.104	-0.099	-0.099	-0.093	-0.091	-0.091	-0.073	-0.068	-0.068
3.93	.908	-0.203	-0.204	-0.209	-0.226	-0.224	-0.224	-0.200	-0.196	-0.196	-0.156	-0.154	-0.154
2.35	.945	-0.263	-0.275	-0.288	-0.265	-0.292	-0.321	-0.321	-0.321	-0.321	-0.407	-0.391	-0.377
1.54	.964	-0.004	-0.003	-0.003	.013	.001	.012	-0.011	-0.021	-0.021	-0.112	-0.135	-0.147
.73	.983	.003	.003	.003	.003	.003	.003	.007	.009	.009	-0.099	-0.105	-0.109
.30	.993	.076	.071	.070	.050	.051	.050	.009	.011	.011	-0.108	-0.108	-0.109
.17	.996	.077	.073	.074	.054	.053	.049	.007	.009	.009	-0.102	-0.107	-0.108
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$\frac{x}{d}$ $\frac{x}{t_{\max}}$		Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,d}/P_\infty = 7.98$			$P_{t,d}/P_\infty = 7.98$			$P_{t,d}/P_\infty = 7.98$			$P_{t,d}/P_\infty = 7.99$		
12.01	.719	-0.021	-0.013	0.000	-0.014	-0.005	0.007	-0.100	-0.094	-0.078	-0.049	-0.042	-0.030
10.39	.757	-0.025	-0.020	-0.013	-0.020	-0.014	-0.008	-0.087	-0.080	-0.074	-0.057	-0.048	-0.041
8.76													

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(e) Afterbody III - Continued

 $t_3 = 800^\circ F$

$\frac{x}{d}$		Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
12.01	0.719	-0.020	-0.012	0.001	-0.014	-0.006	0.007	-0.102	-0.097	-0.081	-0.096	-0.081	-0.097
10.59	.737	-.024	-.019	-.013	-.020	-.014	-.008	-.087	-.082	-.076	-.065	-.069	-.069
8.76	.759	-.032	-.029	-.026	-.038	-.029	-.022	-.075	-.072	-.069	-.065	-.065	-.078
7.18	.832	-.047	-.043	-.044	-.045	-.043	-.042	-.064	-.062	-.061	-.051	-.050	-.051
5.56	.870	-.100	-.099	-.094	-.105	-.099	-.099	-.099	-.091	-.092	-.076	-.070	-.071
3.93	.908	-.201	-.200	-.199	-.225	-.214	-.214	-.200	-.198	-.198	-.154	-.154	-.154
2.35	.945	-.256	-.259	-.269	-.269	-.267	-.302	-.300	-.301	-.306	-.308	-.367	-.362
1.54	.964	-.015	-.029	-.090	-.015	-.009	-.013	-.014	-.020	-.015	-.124	-.141	-.137
.73	.983	.004	.082	.053	.094	.056	.060	.011	.011	.008	.004	.092	.092
.50	.993	.079	.076	.076	.090	.092	.091	.015	.012	.011	.092	.095	.095
.17	.996	.073	.078	.073	.093	.093	.090	.010	.011	.009	.092	.095	.095
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$\frac{x}{d}$		$P_{c,1}/P_\infty = 3.02$			$P_{c,1}/P_\infty = 2.98$			$P_{c,1}/P_\infty = 3.00$			$P_{c,1}/P_\infty = 3.02$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
12.01	.719	-.021	-.012	-.001	-.015	-.007	.006	-.104	-.098	-.084	-.094	-.048	-.033
10.59	.737	-.027	-.020	-.015	-.022	-.015	-.009	-.090	-.084	-.078	-.062	-.053	-.046
8.76	.759	-.034	-.031	-.028	-.039	-.027	-.022	-.077	-.073	-.071	-.064	-.065	-.077
7.18	.832	-.049	-.047	-.046	-.049	-.044	-.042	-.067	-.065	-.063	-.050	-.050	-.050
5.56	.870	-.102	-.096	-.095	-.106	-.099	-.100	-.096	-.090	-.092	-.074	-.070	-.070
3.93	.908	-.205	-.205	-.205	-.237	-.235	-.235	-.200	-.198	-.198	-.158	-.154	-.154
2.35	.945	-.262	-.261	-.272	-.273	-.272	-.296	-.325	-.317	-.315	-.309	-.374	-.364
1.54	.964	-.024	-.023	-.048	-.012	-.017	.003	-.021	-.027	-.021	-.131	-.142	-.136
.73	.983	.050	.082	.082	.094	.093	.060	.019	.021	.017	.099	.102	.100
.50	.993	.073	.073	.073	.069	.093	.092	.021	.021	.021	.105	.106	.104
.17	.996	.073	.074	.072	.091	.093	.090	.019	.021	.019	.104	.106	.102
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$\frac{x}{d}$		$P_{c,1}/P_\infty = 4.96$			$P_{c,1}/P_\infty = 4.97$			$P_{c,1}/P_\infty = 4.97$			$P_{c,1}/P_\infty = 4.97$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
12.01	.719	-.018	-.012	.002	-.013	-.004	.008	-.102	-.096	-.082	-.094	-.048	-.034
10.59	.737	-.022	-.018	-.012	-.019	-.011	-.007	-.087	-.081	-.075	-.065	-.053	-.046
8.76	.759	-.031	-.028	-.024	-.034	-.026	-.020	-.074	-.073	-.069	-.065	-.062	-.077
7.18	.832	-.046	-.044	-.042	-.043	-.042	-.041	-.064	-.063	-.061	-.050	-.050	-.051
5.56	.870	-.099	-.092	-.095	-.103	-.098	-.099	-.097	-.091	-.092	-.076	-.070	-.071
3.93	.908	-.201	-.200	-.201	-.233	-.235	-.235	-.201	-.198	-.198	-.158	-.154	-.154
2.35	.945	-.264	-.260	-.275	-.277	-.272	-.300	-.327	-.312	-.307	-.310	-.374	-.364
1.54	.964	-.026	-.019	-.047	-.015	-.022	.004	-.022	-.019	-.017	-.162	-.168	-.168
.73	.983	.060	.083	.076	.093	.096	.060	.027	.019	.016	.118	.121	.112
.50	.993	.073	.073	.067	.066	.090	.094	.021	.024	.022	.122	.122	.115
.17	.996	.073	.073	.069	.068	.091	.094	-.006	-.021	-.019	.119	.119	.115
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$\frac{x}{d}$		$P_{c,1}/P_\infty = 6.99$			$P_{c,1}/P_\infty = 6.96$			$P_{c,1}/P_\infty = 6.98$			$P_{c,1}/P_\infty = 6.97$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
12.01	.719	-.018	-.011	.002	-.014	-.006	.008	-.102	-.097	-.081	-.096	-.081	-.096
10.59	.737	-.023	-.019	-.011	-.020	-.014	-.008	-.087	-.082	-.076	-.065	-.069	-.069
8.76	.759	-.031	-.029	-.026	-.037	-.029	-.022	-.075	-.073	-.069	-.065	-.062	-.077
7.18	.832	-.046	-.043	-.042	-.046	-.042	-.042	-.063	-.063	-.061	-.049	-.050	-.049
5.56	.870	-.100	-.094	-.099	-.104	-.098	-.099	-.096	-.091	-.092	-.076	-.070	-.071
3.93	.908	-.201	-.201	-.201	-.236	-.234	-.234	-.200	-.198	-.197	-.158	-.154	-.154
2.35	.945	-.267	-.265	-.277	-.266	-.261	-.309	-.304	-.279	-.276	-.308	-.365	-.361
1.54	.964	-.029	-.028	-.099	.008	.013	-.005	-.032	-.013	-.016	-.229	-.191	-.166
.73	.983	.078	.078	.073	.091	.095	.069	.025	.018	-.019	.127	.131	.115
.50	.993	.069	.068	.062	.064	.066	.059	.040	.025	.024	.132	.134	.119
.17	.996	.068	.070	.065	.063	.068	.060	-.032	-.015	-.014	.128	.128	.115
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$\frac{x}{d}$		$P_{c,1}/P_\infty = 8.97$			$P_{c,1}/P_\infty = 8.99$			$P_{c,1}/P_\infty = 8.97$			$P_{c,1}/P_\infty = 8.97$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
12.01	.719	-.025	-.016	-.003	-.013	-.006	.007	-.103	-.097	-.083	-.094	-.050	-.036
10.59	.737	-.030	-.023	-.017	-.020	-.013	-.008	-.088	-.082	-.077	-.065	-.069	-.068
8.76	.759	-.037	-.034	-.030	-.040	-.034	-.028	-.075	-.073	-.068	-.065	-.063	-.078
7.18	.832	-.051	-.050	-.049	-.044	-.044	-.041	-.064	-.063	-.062	-.049	-.050	-.050
5.56	.870	-.105	-.098	-.099	-.104	-.099	-.100	-.097	-.092	-.091	-.075	-.070	-.071
3.93	.908	-.209	-.206	-.207	-.236	-.235	-.235	-.200	-.199	-.198	-.158	-.156	-.154
2.35	.945	-.272	-.270	-.282	-.286	-.284	-.313	-.317	-.299	-.294	-.308	-.368	-.363
1.54	.964	-.041	-.034	-.061	-.007	.012	-.009	-.034	-.016	.003	-.211	-.187	-.166
.73	.983	.072	.073	.068	.092	.092	.066	.037	.022	.022	.130	.130	.116
.50	.993	.066	.063	.059	.063	.064	.037	.043	.026	.033	.130	.133	.119
.17	.996	.062	.066	.061	.064	.067	.061	-.033	-.016	-.006	.125	.127	.115
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$\frac{x}{d}$		$P_{c,1}/P_\infty = 10.97$			$P_{c,1}/P_\infty = 10.97$			$P_{c,1}/P_\infty = 10.97$			$P_{c,1}/P_\infty = 11.01$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
12.01	.719	-.025	-.016	-.003	-.013	-.006	.007	-.103	-.097	-.083	-.094	-.050	-.036
10.59	.737	-.030	-.023	-.017	-.020	-.013	-.008	-.088	-.082	-.077	-.065	-.069	-.068
8.76	.759	-.037	-.034	-.030	-.040	-.034	-.028	-.075	-.073	-.068	-.065	-.063	-.078
7.18	.832	-.051	-.050	-.049	-.044	-.044	-.041	-.064	-.063	-.062	-.049	-.050	-.050
5.56	.870	-.105	-.098	-.099	-.104	-.099	-.100	-.097	-.092	-.091	-.075	-.070	-.071
3.93	.908	-.209	-.206	-.207	-.236	-.235	-.235	-.200	-.199	-.198	-.158	-.156	-.154
2.35	.945	-.272	-.270	-.282	-.286	-.284	-.313	-.317	-.299	-.294	-.308	-.368	-.363
1.54	.964	-.041	-.034	-.061	-.007	.012	-.009	-.034	-.016	.003	-.211	-.187	-.166
.73	.983	.072	.073	.068	.092	.092	.066	.037	.022	.022	.130	.130	.116
.50	.993	.066	.063	.059	.063	.064	.037	.043	.026	.033	.130	.133	.119
.17	.996	.062	.066	.061	.064	.067	.061	-.033	-.016	-.006	.125	.127	.115
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$\frac{x}{d}$		$P_{c,1}/P_\infty = 10.97$			$P_{c,1}/P_\infty = 10.97$			$P_{c,1}/P_\infty = 10.97$			$P_{c,1}/P_\infty = 11.01$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
		$P_{c,1}/P_\infty = 1.97$			$P_{c,1}/P_\infty = 2.00$			$P_{c,1}/P_\infty = 1.99$			$P_{c,1}/P_\infty = 1.98$		
12.01	.719	-.025	-.016	-.003	-.013	-.006	.007	-.103	-.097	-.083	-.094	-.050	-.036
10.59	.737	-.030	-.023	-.017	-.020	-.013	-.008	-.088	-.082	-.077	-.065	-.069	-.068
8.76	.759	-.037											

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(d) Afterbody III - Concluded

$$t_3 = 1,200^\circ \text{ F}$$

X d _i		Pressure coefficients for -																	
		M _∞ = 0.80			M _∞ = 0.90			M _∞ = 1.00			M _∞ = 1.10								
		θ = 0°			θ = 45°			θ = 72°			θ = 0°			θ = 45°			θ = 72°		
		P _{c,1} /P _∞ = 1.99			P _{c,1} /P _∞ = 2.02			P _{c,1} /P _∞ = 2.00			P _{c,1} /P _∞ = 1.99								
12.01	0.719	-0.013	-0.009	0.002	-0.013	-0.006	0.005	-0.101	-0.095	-0.083	-0.044	-0.039	-0.027						
10.39	0.757	-0.021	-0.017	0.011	-0.021	-0.008	0.009	-0.089	-0.083	-0.076	-0.056	-0.049	-0.040						
8.76	0.793	-0.029	-0.027	-0.023	-0.030	-0.027	-0.023	-0.076	-0.073	-0.070	-0.061	-0.059	-0.050						
7.18	0.832	-0.043	-0.042	-0.042	-0.045	-0.044	-0.042	-0.065	-0.065	-0.065	-0.074	-0.071	-0.071						
5.56	0.870	-0.097	-0.094	-0.093	-0.106	-0.100	-0.100	-0.097	-0.098	-0.098	-0.094	-0.089	-0.088						
3.93	0.908	-0.195	-0.199	-0.196	-0.237	-0.235	-0.235	-0.061	-0.159	-0.159	-0.153	-0.156	-0.156						
2.35	0.945	-0.293	-0.293	-0.293	-0.376	-0.376	-0.376	-0.060	-0.240	-0.240	-0.197	-0.196	-0.196						
1.94	0.964	-0.014	-0.016	-0.037	-0.018	-0.011	-0.008	-0.015	-0.018	-0.018	-0.110	-0.123	-0.123						
1.73	0.983	-0.085	-0.088	-0.091	-0.055	-0.057	-0.061	-0.010	-0.011	-0.008	-0.099	-0.098	-0.098						
1.50	0.993	-0.053	-0.053	-0.066	-0.055	-0.055	-0.057	-0.013	-0.012	-0.011	-0.102	-0.106	-0.106						
1.27	0.996	-0.084	-0.084	-0.085	-0.055	-0.055	-0.055	-0.011	-0.011	-0.010	-0.100	-0.100	-0.097						
		P _{c,1} /P _∞ = 3.01			P _{c,1} /P _∞ = 3.01			P _{c,1} /P _∞ = 3.00			P _{c,1} /P _∞ = 3.00								
12.01	0.719	-0.019	-0.011	0.000	-0.011	-0.004	0.009	-0.101	-0.094	-0.082	-0.045	-0.040	-0.028						
10.39	0.757	-0.024	-0.018	-0.013	-0.019	-0.013	-0.021	-0.089	-0.082	-0.077	-0.058	-0.049	-0.042						
8.76	0.793	-0.032	-0.028	-0.026	-0.027	-0.025	-0.021	-0.076	-0.074	-0.070	-0.065	-0.060	-0.056						
7.18	0.832	-0.046	-0.046	-0.043	-0.048	-0.048	-0.048	-0.064	-0.065	-0.065	-0.074	-0.072	-0.072						
5.56	0.870	-0.100	-0.094	-0.094	-0.103	-0.097	-0.099	-0.060	-0.092	-0.092	-0.070	-0.070	-0.070						
3.93	0.908	-0.204	-0.202	-0.201	-0.233	-0.232	-0.232	-0.061	-0.198	-0.199	-0.157	-0.154	-0.154						
2.35	0.945	-0.265	-0.268	-0.268	-0.271	-0.263	-0.266	-0.255	-0.319	-0.309	-0.409	-0.394	-0.382						
1.94	0.964	-0.030	-0.019	-0.036	-0.014	-0.015	-0.010	-0.015	-0.018	-0.015	-0.117	-0.128	-0.128						
1.73	0.983	-0.079	-0.086	-0.086	-0.056	-0.056	-0.066	-0.016	-0.013	-0.010	-0.108	-0.108	-0.107						
1.50	0.993	-0.052	-0.051	-0.052	-0.051	-0.051	-0.050	-0.019	-0.019	-0.018	-0.110	-0.110	-0.103						
1.27	0.996	-0.074	-0.079	-0.081	-0.053	-0.059	-0.058	-0.016	-0.015	-0.012	-0.107	-0.107	-0.103						
		P _{c,1} /P _∞ = 4.96			P _{c,1} /P _∞ = 4.99			P _{c,1} /P _∞ = 4.97			P _{c,1} /P _∞ = 4.99								
12.01	0.719	-0.019	-0.010	0.000	-0.012	-0.004	0.006	-0.100	-0.092	-0.082	-0.045	-0.039	-0.027						
10.39	0.757	-0.023	-0.018	-0.012	-0.021	-0.012	-0.009	-0.088	-0.081	-0.076	-0.056	-0.048	-0.040						
8.76	0.793	-0.032	-0.029	-0.026	-0.032	-0.027	-0.023	-0.076	-0.073	-0.070	-0.062	-0.059	-0.054						
7.18	0.832	-0.046	-0.044	-0.044	-0.044	-0.043	-0.042	-0.066	-0.064	-0.063	-0.074	-0.072	-0.071						
5.56	0.870	-0.099	-0.094	-0.095	-0.100	-0.099	-0.099	-0.095	-0.098	-0.098	-0.077	-0.067	-0.069						
3.93	0.908	-0.203	-0.201	-0.201	-0.237	-0.235	-0.234	-0.061	-0.199	-0.198	-0.156	-0.154	-0.154						
2.35	0.945	-0.265	-0.260	-0.271	-0.271	-0.262	-0.262	-0.252	-0.322	-0.302	-0.402	-0.386	-0.374						
1.94	0.964	-0.034	-0.017	-0.036	-0.010	-0.025	-0.015	-0.021	-0.008	-0.008	-0.136	-0.155	-0.127						
1.73	0.983	-0.079	-0.084	-0.085	-0.050	-0.065	-0.059	-0.023	-0.010	-0.006	-0.180	-0.111	-0.106						
1.50	0.993	-0.072	-0.073	-0.072	-0.044	-0.055	-0.050	-0.026	-0.017	-0.013	-0.125	-0.119	-0.113						
1.27	0.996	-0.069	-0.076	-0.071	-0.046	-0.055	-0.050	-0.024	-0.012	-0.010	-0.123	-0.116	-0.113						
		P _{c,1} /P _∞ = 7.00			P _{c,1} /P _∞ = 7.02			P _{c,1} /P _∞ = 7.00			P _{c,1} /P _∞ = 7.05								
12.01	0.719	-0.019	-0.010	0.001	-0.012	-0.006	0.006	-0.099	-0.093	-0.082	-0.045	-0.038	-0.027						
10.39	0.757	-0.024	-0.018	-0.012	-0.021	-0.013	-0.008	-0.084	-0.080	-0.075	-0.056	-0.046	-0.036						
8.76	0.793	-0.032	-0.028	-0.026	-0.032	-0.027	-0.022	-0.072	-0.070	-0.068	-0.061	-0.058	-0.053						
7.18	0.832	-0.047	-0.044	-0.044	-0.044	-0.044	-0.044	-0.064	-0.064	-0.064	-0.074	-0.074	-0.073						
5.56	0.870	-0.099	-0.094	-0.095	-0.104	-0.099	-0.099	-0.093	-0.098	-0.098	-0.074	-0.069	-0.070						
3.93	0.908	-0.203	-0.201	-0.201	-0.237	-0.235	-0.234	-0.061	-0.199	-0.198	-0.156	-0.154	-0.154						
2.35	0.945	-0.265	-0.262	-0.271	-0.276	-0.263	-0.264	-0.252	-0.322	-0.302	-0.402	-0.386	-0.374						
1.94	0.964	-0.035	-0.021	-0.045	-0.012	-0.022	-0.006	-0.020	-0.002	-0.007	-0.137	-0.152	-0.145						
1.73	0.983	-0.076	-0.081	-0.077	-0.045	-0.059	-0.055	-0.022	-0.007	-0.011	-0.110	-0.112	-0.114						
1.50	0.993	-0.071	-0.073	-0.070	-0.046	-0.051	-0.044	-0.021	-0.013	-0.018	-0.132	-0.128	-0.125						
1.27	0.996	-0.070	-0.076	-0.071	-0.047	-0.053	-0.045	-0.022	-0.004	-0.012	-0.129	-0.120	-0.123						
		P _{c,1} /P _∞ = 9.01			P _{c,1} /P _∞ = 9.00			P _{c,1} /P _∞ = 9.04			P _{c,1} /P _∞ = 9.01								
12.01	0.719	-0.017	-0.009	0.002	-0.010	-0.005	0.009	-0.099	-0.092	-0.082	-0.040	-0.037	-0.025						
10.39	0.757	-0.023	-0.017	-0.012	-0.021	-0.012	-0.009	-0.088	-0.082	-0.074	-0.054	-0.046	-0.037						
8.76	0.793	-0.031	-0.028	-0.026	-0.032	-0.027	-0.023	-0.072	-0.070	-0.069	-0.060	-0.057	-0.052						
7.18	0.832	-0.046	-0.044	-0.043	-0.044	-0.043	-0.042	-0.064	-0.064	-0.063	-0.074	-0.072	-0.072						
5.56	0.870	-0.099	-0.094	-0.095	-0.101	-0.096	-0.097	-0.095	-0.095	-0.092	-0.077	-0.068	-0.070						
3.93	0.908	-0.201	-0.200	-0.199	-0.231	-0.231	-0.229	-0.061	-0.198	-0.197	-0.152	-0.153	-0.153						
2.35	0.945	-0.265	-0.262	-0.271	-0.276	-0.263	-0.264	-0.252	-0.322	-0.302	-0.402	-0.386	-0.374						
1.94	0.964	-0.029	-0.020	-0.044	-0.013	-0.020	-0.005	-0.025	-0.009	-0.017	-0.141	-0.140	-0.139						
1.73	0.983	-0.079	-0.084	-0.078	-0.048	-0.060	-0.059	-0.020	-0.015	-0.020	-0.125	-0.116	-0.121						
1.50	0.993	-0.073	-0.075	-0.072	-0.051	-0.053	-0.048	-0.025	-0.020	-0.027	-0.137	-0.129	-0.130						
1.27	0.996	-0.073	-0.078	-0.073	-0.050	-0.055	-0.048	-0.029	-0.011	-0.022	-0.135	-0.124	-0.130						
		P _{c,1} /P _∞ = 10.98			P _{c,1} /P _∞ = 11.06			P _{c,1} /P _∞ = 11.06											
12.01	0.719				-0.010	-0.002	0.009	-0.101	-0.094	-0.080	-0.041	-0.036	-0.027						
10.39	0.757				-0.016	-0.012	-0.009	-0.088	-0.085	-0.075	-0.059	-0.046	-0.036						
8.76	0.793				-0.024	-0.022	-0.019	-0.077	-0.074	-0.072	-0.062	-0.058	-0.053						
7.18	0.832				-0.032	-0.030	-0.027	-0.066	-0.065	-0.062	-0.076	-0.072	-0.071						
5.56	0.870				-0.108	-0.096	-0.092	-0.097	-0.095	-0.092	-0.074	-0.068	-0.069						
3.93	0.908				-0.200	-0.211	-0.210	-0.200	-0.203	-0.204	-0.154	-0.154	-0.154						
2.35	0.945				-0.267	-0.265	-0.269	-0.245	-0.285	-0.262	-0.406	-0.386	-0.381						
1.94	0.964				-0.015	-0.022	-0.002	-0.030	-0.017	-0.005	-0.136	-0.159	-0.124						
1.73	0.983				-0.051	-0.061	-0.056	-0.023	-0.006	-0.007	-0.123	-0.119	-0.124						
1.50	0.993				-0.054	-0.064	-0.060	-0.040	-0.025	-0.024	-0.130	-0.129	-0.129						
1.27	0.996				-0.054	-0.056	-0.050	-0.031	-0.017	-0.029	-0.134	-0.129	-0.131						

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody IV

 $t_j = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.06$			$P_{t,j}/P_\infty = 1.08$			$P_{t,j}/P_\infty = 1.11$			$P_{t,j}/P_\infty = 1.06$		
7.95	.722	-0.043	-0.027	-0.006	-0.036	-0.049	0.002	-0.150	-0.126	-0.097	-0.073	-0.070	-0.019
7.36	.742	-0.042	-0.032	-0.016	-0.036	-0.021	-0.009	-0.119	-0.107	-0.090	-0.095	-0.042	-0.022
6.22	.782	-0.059	-0.061	-0.037	-0.059	-0.061	-0.096	-0.099	-0.091	-0.086	-0.092	-0.044	-0.038
5.08	.822	-0.128	-0.125	-0.121	-0.146	-0.144	-0.140	-0.174	-0.174	-0.171	-0.129	-0.125	-0.121
3.94	.862	-0.147	-0.143	-0.146	-0.176	-0.176	-0.176	-0.262	-0.266	-0.265	-0.215	-0.219	-0.215
2.80	.902	-0.132	-0.109	-0.115	-0.125	-0.128	-0.127	-0.311	-0.302	-0.306	-0.261	-0.221	-0.209
1.65	.942	-0.058	-0.038	-0.041	-0.051	-0.052	-0.057	-0.087	-0.105	-0.129	-0.276	-0.274	-0.280
1.06	.962	.012	.009	.006	.025	.020	.016	.068	.062	.057	-0.197	-0.215	-0.236
.51	.982	.067	.065	.060	.085	.080	.076	.123	.120	.116	.026	.015	.005
.25	.992	.096	.096	.095	.119	.115	.113	.156	.156	.154	.075	.066	.054
.11	.996	.115	.115	.118	.150	.150	.128	.144	.145	.141	.065	.079	.077
$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.01$		
7.95	.722	-0.040	-0.025	-0.005	-0.036	-0.020	.004	-0.155	-0.131	-0.100	-0.077	-0.051	-0.020
7.36	.742	-0.027	-0.028	-0.012	-0.035	-0.025	-0.008	-0.120	-0.108	-0.095	-0.096	-0.045	-0.024
6.22	.782	-0.064	-0.056	-0.052	-0.069	-0.059	-0.074	-0.102	-0.094	-0.090	-0.095	-0.045	-0.040
5.08	.822	-0.125	-0.119	-0.116	-0.147	-0.145	-0.139	-0.176	-0.177	-0.175	-0.125	-0.119	-0.117
3.94	.862	-0.139	-0.141	-0.140	-0.175	-0.174	-0.172	-0.265	-0.268	-0.269	-0.207	-0.210	-0.208
2.80	.902	-0.105	-0.100	-0.104	-0.118	-0.115	-0.120	-0.314	-0.309	-0.309	-0.261	-0.245	-0.240
1.65	.942	-0.024	-0.025	-0.028	-0.019	-0.024	-0.047	-0.074	-0.068	-0.068	-0.265	-0.264	-0.269
1.06	.962	.028	.026	.022	.042	.039	.035	.085	.078	.078	-0.205	-0.216	-0.232
.51	.982	.086	.082	.079	.104	.102	.099	.139	.136	.134	.012	.002	-0.004
.25	.992	.117	.114	.112	.140	.135	.135	.154	.152	.152	.062	.059	.059
.11	.996	.129	.126	.121	.154	.146	.146	.159	.160	.162	.075	.075	.075
$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.99$			$P_{t,j}/P_\infty = 3.02$		
7.95	.722				-0.034	-0.019	.002	-0.152	-0.130	-0.099	-0.075	-0.049	-0.018
7.36	.742				-0.035	-0.024	-0.007	-0.119	-0.106	-0.091	-0.094	-0.041	-0.022
6.22	.782				-0.067	-0.058	-0.053	-0.101	-0.095	-0.086	-0.091	-0.042	-0.037
5.08	.822				-0.147	-0.145	-0.137	-0.178	-0.177	-0.175	-0.125	-0.118	-0.114
3.94	.862				-0.171	-0.172	-0.172	-0.266	-0.266	-0.264	-0.206	-0.210	-0.207
2.80	.902				-0.117	-0.112	-0.119	-0.315	-0.305	-0.308	-0.252	-0.245	-0.250
1.65	.942				-0.017	-0.017	-0.023	-0.090	-0.090	-0.106	-0.269	-0.264	-0.268
1.06	.962				.044	.039	.036	.069	.065	.065	-0.222	-0.229	-0.241
.51	.982				.106	.102	.098	.126	.126	.126	-0.011	-0.020	-0.027
.25	.992				.141	.135	.132	.144	.144	.146	.052	.047	.046
.11	.996				.150	.149	.145	.149	.151	.153	.064	.064	.064
$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$P_{t,j}/P_\infty = 3.25 \text{ (max.)}$											
7.95	.722							-0.152	-0.126	-0.097			
7.36	.742							-0.119	-0.107	-0.090			
6.22	.782							-0.100	-0.092	-0.088			
5.08	.822							-0.175	-0.175	-0.172			
3.94	.862							-0.265	-0.265	-0.266			
2.80	.902							-0.312	-0.301	-0.306			
1.65	.942							-0.085	-0.096	-0.114			
1.06	.962							.069	.065	.065			
.51	.982							.126	.126	.126			
.25	.992							.141	.145	.144			
.11	.996							.149	.151	.153			

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody IV - Continued

 $t_j = 800^\circ \text{ F}$

$\frac{x}{d}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 1.97$			$P_{t,j}/P_\infty = 1.96$			$P_{t,j}/P_\infty = 2.01$		
7.95	0.722	-0.040	-0.086	-0.005	-0.036	-0.021	0.003	-0.154	-0.130	-0.099	-0.079	-0.052	-0.021
7.36	.742	-.038	-.029	-.013	-.034	-.025	-.003	-.121	-.110	-.075	-.059	-.045	-.026
6.82	.782	-.067	-.057	-.052	-.067	-.059	-.054	-.102	-.093	-.060	-.047	-.043	-.043
5.98	.822	-.125	-.120	-.115	-.145	-.141	-.136	-.177	-.176	-.172	-.125	-.122	-.118
5.94	.862	-.142	-.142	-.139	-.170	-.171	-.169	-.203	-.207	-.203	-.207	-.211	-.207
2.80	.902	-.102	-.100	-.102	-.115	-.115	-.117	-.211	-.204	-.206	-.244	-.245	-.246
1.65	.942	-.025	-.021	-.027	-.015	-.016	-.021	-.044	-.054	-.028	-.266	-.265	-.269
1.08	.962	.030	.030	.026	.045	.045	.039	.084	.079	.076	-.153	-.172	-.194
.51	.982	.091	.089	.086	.115	.108	.106	.136	.134	.134	.046	.036	.033
.23	.992	.124	.122	.122	.149	.143	.143	.149	.151	.152	.079	.075	.077
.11	.996	.137	.134	.133	.160	.158	.156	.157	.158	.158	.087	.085	.086
		$P_{t,j}/P_\infty = 2.98$			$P_{t,j}/P_\infty = 2.96$			$P_{t,j}/P_\infty = 2.99$			$P_{t,j}/P_\infty = 3.00$		
7.95	.722	-.059	-.025	-.005	-.056	-.021	.008	-.150	-.127	-.096	-.080	-.052	-.021
7.36	.742	-.038	-.026	-.012	-.033	-.024	-.007	-.116	-.109	-.086	-.058	-.045	-.026
6.82	.782	-.065	-.056	-.052	-.068	-.059	-.054	-.097	-.089	-.065	-.054	-.046	-.042
5.98	.822	-.122	-.119	-.115	-.146	-.142	-.136	-.175	-.173	-.169	-.125	-.121	-.117
5.94	.862	-.135	-.140	-.139	-.170	-.171	-.169	-.201	-.205	-.200	-.207	-.211	-.207
2.80	.902	-.102	-.100	-.102	-.116	-.115	-.117	-.206	-.204	-.202	-.249	-.246	-.249
1.65	.942	-.022	-.023	-.027	-.016	-.018	-.023	-.061	-.071	-.055	-.266	-.264	-.269
1.08	.962	.029	.027	.025	.044	.042	.037	.076	.074	.071	-.176	-.195	-.214
.51	.982	.091	.087	.085	.110	.108	.104	.135	.133	.133	.089	.080	.076
.23	.992	.122	.119	.119	.144	.141	.141	.152	.151	.154	.070	.067	.068
.11	.996	.132	.131	.130	.156	.155	.152	.158	.159	.160	.079	.078	.080
		$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 4.99$		
7.95	.722							-.145	-.122	-.095	-.080	-.052	-.020
7.36	.742							-.110	-.099	-.085	-.059	-.046	-.025
6.82	.782							-.091	-.084	-.081	-.075	-.047	-.042
5.98	.822							-.171	-.169	-.165	-.126	-.121	-.117
5.94	.862							-.257	-.258	-.255	-.206	-.209	-.207
2.80	.902							-.300	-.295	-.296	-.246	-.245	-.247
1.65	.942							-.071	-.079	-.095	-.265	-.262	-.268
1.08	.962							.076	.071	.069	-.132	-.167	-.189
.51	.982							.136	.135	.135	.045	.036	.035
.23	.992							.154	.154	.156	.080	.076	.079
.11	.996							.160	.161	.165	.088	.087	.089

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody IV.- Concluded

 $t_1 = 1,800^\circ \text{F}$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.04$			$P_{t,j}/P_\infty = 2.04$		
7.95	0.722	-0.059	-0.025	-0.003	-0.055	-0.017	0.006	-0.152	-0.128	-0.098	-0.053	-0.025	-0.003
7.36	.742	-.057	-.028	-.010	-.051	-.021	-.005	-.117	-.107	-.093	-.062	-.048	-.025
6.22	.782	-.065	-.057	-.055	-.066	-.057	-.051	-.100	-.092	-.090	-.059	-.050	-.045
5.08	.822	-.120	-.120	-.116	-.114	-.110	-.135	-.178	-.178	-.175	-.150	-.125	-.122
3.94	.862	-.132	-.142	-.138	-.169	-.171	-.169	-.265	-.269	-.266	-.211	-.214	-.211
2.80	.902	-.102	-.100	-.105	-.125	-.112	-.116	-.315	-.309	-.311	-.252	-.249	-.231
1.65	.942	-.020	-.021	-.026	-.015	-.014	-.019	-.047	-.057	-.069	-.270	-.268	-.272
1.08	.962	.035	.051	.028	.048	.046	.041	.081	.077	.076	-.129	-.151	-.175
.51	.982	.055	.050	.089	.116	.114	.111	.152	.152	.152	.052	.043	.041
.23	.992	.131	.126	.125	.152	.151	.149	.148	.148	.151	.076	.076	.079
.11	.996	.142	.139	.138	.164	.164	.165	.155	.154	.156	.066	.065	.067
		$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.96$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 3.04$		
7.95	.722	-.058	-.025	-.003	-.056	-.019	.005	-.152	-.128	-.097	-.062	-.052	-.020
7.36	.742	-.058	-.028	-.012	-.055	-.026	-.006	-.117	-.107	-.095	-.062	-.047	-.027
6.22	.782	-.058	-.056	-.055	-.067	-.058	-.055	-.100	-.092	-.091	-.056	-.049	-.045
5.08	.822	-.125	-.119	-.115	-.147	-.141	-.138	-.178	-.177	-.176	-.127	-.124	-.120
3.94	.862	-.139	-.141	-.138	-.172	-.172	-.171	-.265	-.268	-.264	-.209	-.212	-.208
2.80	.902	-.101	-.099	-.105	-.117	-.114	-.118	-.314	-.309	-.310	-.250	-.246	-.248
1.65	.942	-.020	-.021	-.026	-.015	-.017	-.021	-.059	-.069	-.081	-.269	-.267	-.271
1.08	.962	.031	.030	.086	.048	.044	.039	.077	.073	.072	-.150	-.170	-.192
.51	.982	.055	.059	.087	.114	.109	.109	.150	.149	.151	.044	.056	.053
.23	.992	.125	.128	.125	.149	.145	.144	.146	.147	.150	.075	.072	.075
.11	.996	.136	.136	.134	.159	.158	.157	.151	.155	.155	.064	.062	.066
		$P_{t,j}/P_\infty = 5.05$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 5.01$			$P_{t,j}/P_\infty = 5.01$		
7.95	.722				-.053	-.017	.007	-.151	-.127	-.098	-.078	-.050	-.020
7.36	.742				-.051	-.022	-.004	-.117	-.105	-.092	-.059	-.042	-.024
6.22	.782				-.054	-.027	-.002	-.099	-.091	-.091	-.052	-.044	-.040
5.08	.822				-.143	-.139	-.136	-.178	-.177	-.176	-.125	-.120	-.117
3.94	.862				-.166	-.168	-.167	-.264	-.268	-.265	-.205	-.211	-.208
2.80	.902				-.111	-.107	-.112	-.313	-.308	-.310	-.252	-.246	-.250
1.65	.942				-.024	-.026	-.011	-.049	-.055	-.064	-.269	-.266	-.271
1.08	.962				.065	.059	.055	.084	.079	.078	-.161	-.179	-.198
.51	.982				.135	.132	.129	.154	.155	.156	.059	.055	.051
.23	.992				.174	.170	.171	.151	.152	.154	.074	.075	.075
.11	.996				.186	.187	.185	.157	.158	.161	.062	.062	.066

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(f) Afterbody V

 $t_3 = \text{Cold}$

$\frac{x}{d_3}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,3}/P_\infty = 1.08$			$P_{t,3}/P_\infty = 1.10$			$P_{t,3}/P_\infty = 1.09$			$P_{t,3}/P_\infty = 1.01$		
7.95	0.722	-0.059	-0.025	-0.009	-0.054	-0.017	0.006	-0.153	-0.131	-0.100	-0.078	-0.095	-0.082
7.56	.742	-.057	-.025	-.004	-.051	-.020	.005	-.116	-.103	-.080	-.055	-.040	-.046
6.22	.752	-.049	-.045	-.034	-.045	-.041	-.030	-.100	-.095	-.084	-.054	-.051	-.059
5.08	.822	-.054	-.051	-.081	-.052	-.059	-.065	-.107	-.103	-.102	-.070	-.065	-.066
5.94	.862	-.151	-.147	-.141	-.175	-.172	-.157	-.194	-.191	-.185	-.149	-.147	-.141
2.80	.902	-.156	-.151	-.153	-.245	-.241	-.242	-.311	-.306	-.307	-.244	-.241	-.241
1.65	.942	-.148	-.125	-.155	-.127	-.128	-.157	-.290	-.287	-.300	-.241	-.156	-.159
1.08	.962	-.058	-.042	-.051	-.017	-.025	-.031	-.008	-.010	-.007	-.006	-.002	-.002
.51	.982	.075	.074	.065	.105	.108	.092	.039	.039	.042	.032	.051	.087
.23	.992	.134	.155	.127	.150	.149	.146	.052	.052	.049	.012	.012	.015
.11	.996	.155	.155	.150	.166	.166	.165	.057	.057	.054	-.009	-.008	-.006
$P_{t,3}/P_\infty = 2.01$			$P_{t,3}/P_\infty = 1.99$			$P_{t,3}/P_\infty = 2.00$			$P_{t,3}/P_\infty = 2.05$				
7.95	.722	-.055	-.025	.000	-.052	-.014	.006	-.153	-.129	-.098	-.079	-.074	-.025
7.56	.742	-.054	-.024	-.002	-.028	-.018	.006	-.116	-.105	-.076	-.055	-.040	-.007
6.22	.752	-.046	-.042	-.031	-.042	-.040	-.027	-.097	-.093	-.084	-.056	-.052	-.041
5.08	.822	-.052	-.077	-.075	-.055	-.054	-.032	-.102	-.100	-.101	-.072	-.068	-.056
5.94	.862	-.145	-.140	-.136	-.171	-.167	-.161	-.194	-.189	-.184	-.149	-.147	-.140
2.80	.902	-.157	-.151	-.152	-.250	-.220	-.229	-.309	-.303	-.303	-.245	-.240	-.241
1.65	.942	-.156	-.110	-.117	-.111	-.111	-.119	-.170	-.155	-.245	-.241	-.157	-.159
1.08	.962	-.020	-.026	-.034	.002	-.005	-.015	.004	.015	.011	-.237	-.205	-.159
.51	.982	.054	.051	.065	.124	.117	.111	.024	.050	.049	-.023	-.035	-.040
.23	.992	.146	.144	.142	.167	.165	.162	.060	.059	.060	-.017	-.022	-.023
.11	.996	.166	.164	.165	.179	.176	.176	.065	.063	.068	-.015	-.018	-.018
$P_{t,3}/P_\infty = 2.79 \text{ (max.)}$			$P_{t,3}/P_\infty = 3.00$			$P_{t,3}/P_\infty = 2.99$			$P_{t,3}/P_\infty = 3.00$				
7.95	.722	-.056	-.021	.000	-.055	-.016	.007	-.153	-.149	-.078	-.077	-.078	-.021
7.56	.742	-.054	-.024	-.001	-.050	-.019	.007	-.116	-.105	-.076	-.055	-.039	-.004
6.22	.752	-.048	-.041	-.032	-.044	-.040	-.030	-.097	-.092	-.082	-.054	-.050	-.046
5.08	.822	-.053	-.077	-.075	-.059	-.059	-.065	-.103	-.102	-.100	-.069	-.066	-.064
5.94	.862	-.144	-.141	-.136	-.172	-.170	-.165	-.192	-.189	-.185	-.146	-.147	-.159
2.80	.902	-.128	-.120	-.122	-.234	-.230	-.230	-.302	-.304	-.304	-.242	-.240	-.240
1.65	.942	-.112	-.111	-.112	-.134	-.115	-.122	-.202	-.235	-.235	-.159	-.157	-.158
1.08	.962	-.021	-.026	-.034	-.001	-.006	-.016	.015	.002	-.005	-.297	-.154	-.167
.51	.982	.090	.068	.080	.118	.114	.107	.042	.058	.059	-.036	-.044	-.050
.23	.992	.144	.145	.158	.162	.160	.160	.049	.047	.051	-.021	-.028	-.050
.11	.996	.164	.164	.162	.177	.174	.175	.051	.051	.057	-.018	-.023	-.024

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(f) Afterbody V - Continued

 $t_1 = 300^\circ \text{ F}$

$\frac{x}{L}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 2.01$			$P_{t,1}/P_\infty = 1.96$			$P_{t,1}/P_\infty = 1.96$			$P_{t,1}/P_\infty = 1.99$		
7.35	0.722	-0.056	-0.023	0.000	-0.030	-0.016	0.005	-0.154	-0.131	-0.095	-0.077	-0.053	-0.021
7.36	.742	-.055	-.023	-.001	-.028	-.018	-.007	-.113	-.105	-.077	-.054	-.040	-.006
6.23	.762	-.047	-.041	-.031	-.043	-.039	-.027	-.099	-.075	-.054	-.051	-.051	-.026
5.26	.822	-.061	-.078	-.076	-.055	-.062	-.056	-.107	-.105	-.105	-.071	-.067	-.063
5.94	.862	-.145	-.141	-.154	-.169	-.165	-.160	-.196	-.195	-.189	-.151	-.145	-.140
2.55	.902	-.155	-.150	-.180	-.226	-.222	-.224	-.311	-.309	-.303	-.285	-.283	-.284
1.05	.942	-.110	-.106	-.112	-.104	-.105	-.113	-.156	-.151	-.146	-.135	-.137	-.139
1.06	.962	-.017	-.019	-.028	.012	.005	-.005	.024	.010	.005	-.145	-.201	-.262
.51	.982	.103	.099	.092	.121	.125	.120	.056	.041	.042	-.016	-.027	-.027
.42	.992	.156	.155	.152	.171	.170	.168	.054	.050	.052	-.009	-.015	-.012
.11	.996	.175	.174	.175	.184	.182	.181	.056	.056	.060	-.006	-.009	-.007
		$P_{t,1}/P_\infty = 3.01$			$P_{t,1}/P_\infty = 2.96$			$P_{t,1}/P_\infty = 2.97$			$P_{t,1}/P_\infty = 3.00$		
7.35	.722	-.037	-.022	-.004	-.032	-.017	.005	-.153	-.150	-.138	-.079	-.053	-.021
7.36	.742	-.035	-.023	-.001	-.029	-.019	.005	-.117	-.105	-.076	-.054	-.040	-.007
6.23	.762	-.046	-.042	-.030	-.044	-.040	-.027	-.100	-.094	-.085	-.059	-.049	-.037
5.26	.822	-.059	-.079	-.076	-.086	-.084	-.061	-.104	-.105	-.104	-.071	-.066	-.063
5.94	.862	-.141	-.140	-.154	-.171	-.169	-.160	-.194	-.194	-.193	-.150	-.147	-.140
2.55	.902	-.127	-.129	-.122	-.232	-.227	-.226	-.310	-.305	-.305	-.284	-.282	-.284
1.05	.942	-.107	-.107	-.117	-.169	-.169	-.168	-.172	-.205	-.203	-.140	-.137	-.139
1.06	.962	-.017	-.021	-.029	.004	-.001	-.010	.020	.006	.002	-.197	-.256	-.319
.51	.982	.099	.097	.089	.126	.122	.115	.044	.039	.041	-.048	-.037	-.036
.42	.992	.155	.152	.145	.168	.166	.164	.055	.048	.051	-.003	-.003	-.000
.11	.996	.172	.171	.172	.180	.179	.179	.055	.054	.059	-.016	-.019	-.014
		$P_{t,1}/P_\infty = 4.21 \text{ (max.)}$			$P_{t,1}/P_\infty = 3.71 \text{ (max.)}$			$P_{t,1}/P_\infty = 4.54$			$P_{t,1}/P_\infty = 5.01$		
7.35	.722	-.015	-.021	-.001	-.022	-.016	.007	-.153	-.150	-.101	-.079	-.054	-.023
7.36	.742	-.015	-.024	-.002	-.030	-.018	.007	-.116	-.105	-.078	-.054	-.040	-.007
6.23	.762	-.047	-.042	-.032	-.044	-.040	-.027	-.099	-.075	-.054	-.051	-.051	-.026
5.26	.822	-.064	-.077	-.076	-.090	-.085	-.065	-.105	-.105	-.102	-.072	-.066	-.065
5.94	.862	-.141	-.140	-.154	-.170	-.166	-.161	-.194	-.194	-.193	-.147	-.147	-.136
2.55	.902	-.154	-.150	-.181	-.250	-.226	-.226	-.309	-.305	-.305	-.284	-.283	-.284
1.05	.942	-.129	-.129	-.122	-.102	-.105	-.114	-.215	-.202	-.202	-.139	-.137	-.139
1.06	.962	-.012	-.017	-.024	.017	.010	-.001	.012	.001	-.007	-.235	-.286	-.337
.51	.982	.108	.104	.096	.134	.132	.125	.043	.037	.037	-.027	-.036	-.039
.42	.992	.159	.156	.155	.174	.173	.173	.051	.051	.051	-.015	-.020	-.021
.11	.996	.177	.176	.176	.185	.185	.186	.059	.054	.059	-.012	-.017	-.015

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(x) Afterbody V - Concluded

 $t_3 = 1,200^\circ \text{F}$

$\frac{x}{L}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,d}/P_\infty = 1.99$			$P_{c,d}/P_\infty = 1.99$			$P_{c,d}/P_\infty = 2.00$			$P_{c,d}/P_\infty = 1.99$		
7.93	0.722	-0.033	-0.019	0.002	-0.029	-0.014	0.009	-0.152	-0.150	-0.099	-0.076	-0.050	-0.018
7.36	.742	-.051	-.021	0.001	-.026	-.016	0.006	-.118	-.104	-.082	-.052	-.038	-.009
6.22	.782	-.044	-.039	-.030	-.040	-.036	-.020	-.097	-.095	-.084	-.052	-.049	-.037
5.08	.822	-.079	-.072	-.073	-.084	-.080	-.078	-.103	-.102	-.102	-.067	-.063	-.051
3.94	.862	-.142	-.136	-.133	-.168	-.165	-.158	-.154	-.151	-.143	-.148	-.144	-.137
2.80	.902	-.182	-.177	-.178	-.229	-.225	-.224	-.210	-.205	-.204	-.242	-.237	-.236
1.65	.942	-.105	-.102	-.109	-.102	-.102	-.112	-.161	-.205	-.256	-.237	-.235	-.236
1.08	.962	-.009	-.014	-.021	0.015	0.009	-.001	0.022	0.007	0.022	-.136	-.137	-.139
.51	.982	-.110	-.106	-.089	-.135	-.130	-.124	-.044	-.039	-.041	-.016	-.027	-.027
.23	.992	-.165	-.162	-.158	-.174	-.174	-.172	0.051	0.049	0.052	-.009	-.014	-.013
.11	.996	-.180	-.179	-.178	-.185	-.184	-.185	0.053	0.053	0.058	-.007	-.010	-.006
		$P_{c,d}/P_\infty = 3.01$			$P_{c,d}/P_\infty = 2.98$			$P_{c,d}/P_\infty = 3.00$			$P_{c,d}/P_\infty = 3.02$		
7.93	.722	-.036	-.021	-.000	-.030	-.014	0.009	-.152	-.151	-.100	-.076	-.049	-.018
7.36	.742	-.052	-.023	-.003	-.027	-.016	0.006	-.118	-.109	-.082	-.052	-.037	-.008
6.22	.782	-.046	-.041	-.031	-.041	-.037	-.027	-.097	-.095	-.085	-.050	-.047	-.036
5.08	.822	-.081	-.077	-.076	-.084	-.081	-.079	-.104	-.103	-.102	-.069	-.062	-.050
3.94	.862	-.144	-.140	-.132	-.169	-.165	-.159	-.154	-.151	-.148	-.146	-.143	-.136
2.80	.902	-.189	-.179	-.180	-.229	-.222	-.224	-.211	-.206	-.205	-.240	-.237	-.237
1.65	.942	-.105	-.105	-.113	-.103	-.103	-.112	-.159	-.201	-.257	-.236	-.235	-.234
1.08	.962	-.012	-.016	-.020	0.015	0.007	-.003	0.022	0.007	0.003	-.189	-.184	-.185
.51	.982	-.105	-.103	-.096	-.135	-.129	-.122	0.044	0.039	0.042	-.023	-.030	-.028
.23	.992	-.160	-.158	-.154	-.175	-.175	-.171	0.051	0.049	0.053	-.014	-.021	-.020
.11	.996	-.177	-.176	-.175	-.184	-.184	-.185	0.054	0.053	0.060	-.013	-.017	-.013
		$P_{c,d}/P_\infty = 4.55 \text{ (max.)}$			$P_{c,d}/P_\infty = 5.01$			$P_{c,d}/P_\infty = 4.97$			$P_{c,d}/P_\infty = 4.99$		
7.93	.722	-.036	-.022	-.001	-.031	-.015	0.008	-.153	-.150	-.100	-.077	-.050	-.019
7.36	.742	-.053	-.025	-.003	-.028	-.017	0.004	-.118	-.109	-.082	-.054	-.038	-.010
6.22	.782	-.046	-.042	-.032	-.042	-.038	-.028	-.098	-.095	-.085	-.052	-.049	-.038
5.08	.822	-.081	-.078	-.076	-.085	-.082	-.080	-.104	-.103	-.102	-.067	-.064	-.053
3.94	.862	-.144	-.140	-.133	-.168	-.165	-.158	-.154	-.151	-.148	-.147	-.144	-.136
2.80	.902	-.183	-.178	-.178	-.223	-.219	-.220	-.210	-.205	-.204	-.240	-.237	-.237
1.65	.942	-.102	-.100	-.107	-.096	-.096	-.105	-.175	-.212	-.267	-.237	-.234	-.236
1.08	.962	-.005	-.008	-.016	0.024	0.018	0.009	0.080	0.077	0.008	-.208	-.200	-.200
.51	.982	-.117	-.114	-.109	-.144	-.141	-.136	0.046	0.041	0.044	-.028	-.030	-.032
.23	.992	-.169	-.168	-.165	-.182	-.181	-.181	0.055	0.052	0.056	-.014	-.020	-.018
.11	.996	-.185	-.185	-.185	-.194	-.192	-.193	0.059	0.058	0.064	-.011	-.015	-.012

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(g) Afterbody VI

 $t_1 = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.01$			$P_{t,j}/P_\infty = 0.90$			$P_{t,j}/P_\infty = 0.97$		
7.93	0.722	-0.030	-0.018	0.005	-0.065	-0.010	0.011	-0.151	-0.189	-0.100	-0.076	-0.092	-0.082
7.36	.742	-.025	-.016	-.001	-.019	-.008	.007	-.119	-.107	-.097	-.077	-.042	-.030
6.22	.782	-.027	-.024	-.015	-.019	-.016	-.007	-.087	-.085	-.079	-.050	-.047	-.036
5.08	.822	-.026	-.026	-.028	-.028	-.028	-.023	-.071	-.072	-.068	-.052	-.053	-.042
3.94	.862	-.028	-.031	-.060	-.029	-.024	-.024	-.066	-.065	-.065	-.074	-.075	-.066
2.80	.902	-.132	-.134	-.150	-.155	-.157	-.156	-.125	-.130	-.130	-.086	-.092	-.085
1.66	.942	-.131	-.129	-.129	-.125	-.145	-.157	-.183	-.176	-.183	-.129	-.126	-.129
1.08	.962	-.123	-.125	-.125	-.125	-.118	-.190	-.175	-.156	-.157	-.127	-.145	-.149
.51	.982	-.026	-.024	.040	.005	.000	.007	-.028	-.027	-.021	-.122	-.125	-.125
.23	.992	.043	.042	.045	.007	.008	.012	-.055	-.060	-.064	-.124	-.125	-.124
.11	.996	.043	.044	.045	.008	.009	.012	-.066	-.064	-.064	-.124	-.127	-.125
		$P_{t,j}/P_\infty = 1.96$			$P_{t,j}/P_\infty = 1.96$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.02$		
7.93	.722	-.030	-.017	.004	-.022	-.009	.014	-.152	-.131	-.095	-.078	-.052	-.022
7.36	.742	-.027	-.016	-.002	-.019	-.007	.007	-.120	-.109	-.099	-.058	-.042	-.029
6.22	.782	-.027	-.024	-.015	-.019	-.015	-.005	-.090	-.086	-.078	-.051	-.048	-.035
5.08	.822	-.026	-.024	-.029	-.028	-.027	-.019	-.072	-.074	-.069	-.053	-.052	-.042
3.94	.862	-.028	-.029	-.051	-.026	-.022	-.021	-.066	-.066	-.066	-.072	-.074	-.074
2.80	.902	-.150	-.152	-.149	-.152	-.154	-.153	-.128	-.130	-.130	-.088	-.092	-.085
1.66	.942	-.116	-.121	-.128	-.142	-.140	-.150	-.185	-.178	-.183	-.120	-.125	-.120
1.08	.962	-.102	-.104	-.126	-.109	-.115	-.128	-.110	-.112	-.119	-.141	-.147	-.145
.51	.982	.070	.028	.030	.026	.012	.005	-.024	-.027	-.029	-.125	-.122	-.127
.23	.992	.042	.036	.031	.019	.007	.000	-.085	-.072	-.081	-.124	-.127	-.124
.11	.996	.038	.031	.029	.016	.004	-.002	-.061	-.072	-.081	-.124	-.127	-.124
		$P_{t,j}/P_\infty = 2.66 \text{ (max.)}$			$P_{t,j}/P_\infty = 2.87 \text{ (max.)}$			$P_{t,j}/P_\infty = 3.01$			$P_{t,j}/P_\infty = 3.01$		
7.93	.722	-.028	-.015	.004	-.025	-.010	.013	-.155	-.131	-.102	-.078	-.052	-.022
7.36	.742	-.025	-.014	-.000	-.019	-.008	.007	-.120	-.108	-.097	-.056	-.041	-.028
6.22	.782	-.025	-.024	-.014	-.021	-.017	-.005	-.090	-.087	-.079	-.050	-.046	-.035
5.08	.822	-.024	-.024	-.026	-.029	-.027	-.022	-.075	-.074	-.064	-.053	-.051	-.043
3.94	.862	-.020	-.029	-.057	-.027	-.023	-.024	-.067	-.066	-.066	-.076	-.076	-.076
2.80	.902	-.118	-.150	-.149	-.124	-.156	-.154	-.126	-.130	-.130	-.086	-.095	-.095
1.66	.942	-.115	-.125	-.129	-.146	-.144	-.155	-.181	-.176	-.183	-.120	-.126	-.120
1.08	.962	-.115	-.122	-.128	-.122	-.160	-.155	-.155	-.151	-.169	-.142	-.149	-.149
.51	.982	.042	.024	.030	.018	.008	-.004	-.079	-.092	-.094	-.129	-.121	-.120
.23	.992	.032	.028	.027	.006	-.006	-.012	-.092	.000	-.101	-.127	-.126	-.120
.11	.996	.027	.024	.025	.005	-.008	-.012	-.090	-.111	-.100	-.126	-.126	-.119

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TABLE XIII.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(g) Afterbody VI - Continued

 $t_1 = 800^\circ F$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -								
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.01$		
7.95	.722	-0.051	-0.016	0.005	-0.026	-0.010	0.012	-0.152	-0.130	-0.102
7.36	.742	-.026	-.016	-.000	-.020	-.010	-.007	-.119	-.110	-.096
6.22	.762	-.025	-.024	-.014	-.021	-.017	-.006	-.089	-.086	-.075
5.08	.822	-.034	-.036	-.026	-.030	-.029	-.023	-.075	-.073	-.067
3.94	.862	-.060	-.056	-.057	-.057	-.054	-.057	-.067	-.067	-.066
2.80	.902	-.145	-.119	-.118	-.125	-.127	-.155	-.127	-.131	-.131
1.65	.942	-.209	-.215	-.222	-.241	-.241	-.250	-.281	-.275	-.282
1.06	.962	-.181	-.219	-.227	-.098	-.149	-.193	-.100	-.167	-.191
.51	.982	.097	.034	.029	.026	.004	.001	.093	.081	.082
.23	.992	.049	.034	.031	.017	.001	-.001	.069	.064	.066
.11	.996	.046	.033	.032	.015	.000	-.003	.061	.054	.067
		$P_{t,j}/P_\infty = 2.98$			$P_{t,j}/P_\infty = 3.01$			$P_{t,j}/P_\infty = 2.99$		
7.95	.722	-.029	-.015	.006	-.023	-.009	.015	-.151	-.129	-.099
7.36	.742	-.029	-.014	-.001	-.016	-.006	.006	-.118	-.107	-.097
6.22	.762	-.026	-.024	-.013	-.019	-.014	-.007	-.088	-.084	-.074
5.08	.822	-.035	-.035	-.027	-.026	-.027	-.018	-.071	-.072	-.064
3.94	.862	-.060	-.059	-.059	-.055	-.051	-.051	-.063	-.064	-.063
2.80	.902	-.147	-.149	-.146	-.151	-.154	-.155	-.126	-.126	-.130
1.65	.942	-.212	-.219	-.227	-.241	-.241	-.249	-.280	-.275	-.282
1.06	.962	-.191	-.227	-.237	-.101	-.152	-.197	-.116	-.139	-.166
.51	.982	.095	.029	.020	.024	.003	-.002	.064	.063	.063
.23	.992	.045	.026	.025	.014	-.003	-.006	.077	.097	.100
.11	.996	.042	.027	.025	.014	-.004	-.006	.074	.097	.100
		$P_{t,j}/P_\infty = 4.31 (max.)$			$P_{t,j}/P_\infty = 4.88 (max.)$			$P_{t,j}/P_\infty = 4.90$		
7.95	.722	-.029	-.010	.014	-.147	-.126	-.098	-.083	-.096	-.083
7.36	.742	-.020	-.007	.007	-.115	-.103	-.093	-.062	-.047	-.054
6.22	.762	-.020	-.016	-.006	-.085	-.080	-.071	-.056	-.052	-.059
5.08	.822	-.029	-.027	-.020	-.067	-.067	-.059	-.056	-.056	-.043
3.94	.862	-.054	-.053	-.053	-.062	-.061	-.062	-.054	-.053	-.053
2.80	.902	-.155	-.156	-.154	-.122	-.127	-.127	-.086	-.092	-.093
1.65	.942	-.244	-.246	-.245	-.278	-.275	-.278	-.204	-.208	-.201
1.06	.962	-.215	-.216	-.207	-.161	-.239	-.288	-.144	-.144	-.201
.51	.982	.020	-.002	-.006	-.063	-.107	-.116	-.188	-.194	-.194
.23	.992	.011	-.006	-.012	-.056	-.116	-.122	-.200	-.203	-.200
.11	.996	.010	-.009	-.010	-.054	-.117	-.122	-.200	-.203	-.200

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(g) Afterbody VI - Concluded

 $t_j = 1,200^\circ \text{ F}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.97$			$P_{t,j}/P_\infty = 1.98$			$P_{t,j}/P_\infty = 2.05$			$P_{t,j}/P_\infty = 1.97$		
7.95	0.722	-0.051	-0.018	0.005	-0.025	-0.009	0.015	-0.152	-0.130	-0.100	-0.080	-0.054	-0.023
7.36	.742	-.027	-.016	-.002	-.018	-.006	.006	-.120	-.108	-.096	-.059	-.043	-.030
6.82	.762	-.028	-.024	-.013	-.019	-.010	-.006	-.089	-.086	-.074	-.054	-.049	-.037
5.08	.822	-.036	-.034	-.028	-.029	-.027	-.020	-.072	-.072	-.065	-.057	-.055	-.045
3.94	.862	-.022	-.050	-.059	-.054	-.055	-.053	-.057	-.056	-.056	-.055	-.055	-.056
2.80	.902	-.149	-.151	-.149	-.152	-.156	-.154	-.127	-.130	-.129	-.089	-.095	-.094
1.69	.942	-.312	-.314	-.324	-.341	-.335	-.347	-.381	-.376	-.384	-.304	-.300	-.301
1.08	.962	-.177	-.208	-.246	-.091	-.126	-.171	-.056	-.159	-.171	-.258	-.248	-.259
.51	.982	-.077	-.056	-.028	-.050	-.018	-.006	-.050	-.072	-.074	-.126	-.133	-.154
.25	.992	.050	.055	.032	.020	.006	.005	-.059	-.077	-.080	-.137	-.156	-.155
.11	.996	.049	.054	.052	.020	.007	.002	-.059	-.078	-.078	-.156	-.154	-.154
		$P_{t,j}/P_\infty = 3.01$			$P_{t,j}/P_\infty = 2.97$			$P_{t,j}/P_\infty = 2.99$			$P_{t,j}/P_\infty = 2.99$		
7.95	.722	-.051	-.016	.004	-.025	-.009	.015	-.152	-.129	-.100	-.078	-.053	-.022
7.36	.742	-.025	-.015	.001	-.019	-.006	.006	-.120	-.108	-.096	-.057	-.042	-.029
6.82	.762	-.028	-.023	-.016	-.019	-.015	-.007	-.089	-.085	-.074	-.051	-.047	-.035
5.08	.822	-.037	-.036	-.028	-.029	-.027	-.020	-.072	-.072	-.065	-.054	-.053	-.042
3.94	.862	-.050	-.050	-.059	-.057	-.052	-.054	-.055	-.055	-.055	-.056	-.055	-.055
2.80	.902	-.149	-.150	-.148	-.153	-.154	-.155	-.127	-.129	-.130	-.088	-.089	-.089
1.69	.942	-.318	-.320	-.327	-.343	-.340	-.349	-.383	-.376	-.381	-.303	-.298	-.301
1.08	.962	-.189	-.228	-.262	-.094	-.137	-.184	-.108	-.184	-.200	-.264	-.290	-.299
.51	.982	.055	.029	.022	.026	.004	-.001	-.060	-.086	-.086	-.145	-.166	-.170
.25	.992	.047	.050	.027	.015	-.002	-.005	-.072	-.092	-.091	-.160	-.171	-.172
.11	.996	.044	.050	.050	.015	-.002	-.005	-.069	-.091	-.090	-.161	-.172	-.172
		$P_{t,j}/P_\infty = 4.51 \text{ (max.)}$			$P_{t,j}/P_\infty = 4.95$			$P_{t,j}/P_\infty = 4.96$			$P_{t,j}/P_\infty = 4.96$		
7.95	.722	-.051	-.015	.006	-.023	-.009	.013	-.152	-.130	-.103	-.081	-.054	-.024
7.36	.742	-.027	-.015	-.001	-.018	-.007	.006	-.120	-.107	-.097	-.059	-.044	-.031
6.82	.762	-.028	-.022	-.014	-.019	-.017	-.007	-.089	-.086	-.076	-.054	-.051	-.038
5.08	.822	-.036	-.034	-.027	-.027	-.026	-.020	-.072	-.072	-.065	-.055	-.055	-.045
3.94	.862	-.021	-.058	-.059	-.053	-.053	-.053	-.056	-.056	-.056	-.057	-.055	-.056
2.80	.902	-.148	-.151	-.150	-.152	-.155	-.155	-.127	-.130	-.130	-.089	-.095	-.095
1.69	.942	-.319	-.323	-.350	-.348	-.345	-.351	-.382	-.376	-.382	-.304	-.300	-.305
1.08	.962	-.201	-.231	-.266	-.114	-.159	-.205	-.141	-.229	-.272	-.295	-.295	-.304
.51	.982	.048	.029	.020	.020	-.001	-.006	-.060	-.105	-.112	-.185	-.194	-.198
.25	.992	.045	.029	.024	.011	-.004	-.012	-.095	-.115	-.118	-.197	-.202	-.205
.11	.996	.059	.027	.028	.011	-.006	-.010	-.089	-.116	-.118	-.196	-.204	-.205

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(h) Afterbody VII

t1 = Cold

X d ₁	K k _{max}	Pressure coefficients for -											
		M _∞ = 0.80			M _∞ = 0.90			M _∞ = 1.00			M _∞ = 1.10		
		θ = 0°	θ = 45°	θ = 72°	θ = 0°	θ = 45°	θ = 72°	θ = 0°	θ = 45°	θ = 72°	θ = 0°	θ = 45°	θ = 72°
		P _{t,1} /P _∞ = 1.07			P _{t,2} /P _∞ = 1.09			P _{t,3} /P _∞ = 1.15			P _{t,4} /P _∞ = 1.12		
12.01	0.719	-0.096	-0.089	-0.021	-0.041	-0.022	-0.015	-0.113	-0.099	-0.070	-0.099	-0.095	-0.047
10.39	.727	-0.095	-0.089	-0.042	-0.092	-0.047	-0.045	-0.085	-0.083	-0.079	-0.098	-0.094	-0.049
8.76	.795	-0.107	-0.109	-0.102	-0.125	-0.128	-0.129	-0.150	-0.149	-0.149	-0.112	-0.110	-0.109
7.18	.832	-0.127	-0.128	-0.128	-0.125	-0.124	-0.124	-0.141	-0.147	-0.147	-0.112	-0.110	-0.109
5.56	.870	-0.116	-0.116	-0.116	-0.139	-0.139	-0.139	-0.151	-0.150	-0.150	-0.112	-0.110	-0.109
3.93	.908	-0.069	-0.071	-0.075	-0.071	-0.080	-0.081	-0.197	-0.198	-0.210	-0.206	-0.206	-0.203
2.35	.945	-0.007	-0.008	-0.002	-0.014	-0.010	-0.008	-0.098	-0.094	-0.094	-0.136	-0.136	-0.136
1.74	.964	-0.049	-0.049	-0.049	-0.049	-0.049	-0.049	-0.197	-0.197	-0.197	-0.206	-0.206	-0.206
.73	.983	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.197	-0.197	-0.197	-0.206	-0.206	-0.206
.30	.993	-0.122	-0.119	-0.119	-0.137	-0.134	-0.135	-0.197	-0.197	-0.197	-0.206	-0.206	-0.206
.17	.996	-0.132	-0.131	-0.131	-0.146	-0.145	-0.145	-0.204	-0.204	-0.204	-0.212	-0.212	-0.212
		P _{t,1} /P _∞ = 1.98			P _{t,2} /P _∞ = 2.00			P _{t,3} /P _∞ = 1.99			P _{t,4} /P _∞ = 2.00		
12.01	.719	-0.053	-0.027	-0.017	-0.042	-0.028	-0.015	-0.114	-0.099	-0.090	-0.098	-0.095	-0.048
10.39	.727	-0.090	-0.066	-0.040	-0.090	-0.045	-0.040	-0.085	-0.083	-0.079	-0.098	-0.094	-0.048
8.76	.795	-0.107	-0.105	-0.105	-0.128	-0.128	-0.129	-0.150	-0.149	-0.149	-0.112	-0.110	-0.109
7.18	.832	-0.127	-0.127	-0.128	-0.125	-0.124	-0.124	-0.141	-0.147	-0.147	-0.112	-0.110	-0.109
5.56	.870	-0.116	-0.116	-0.116	-0.137	-0.137	-0.137	-0.151	-0.150	-0.150	-0.112	-0.110	-0.109
3.93	.908	-0.011	-0.069	-0.070	-0.074	-0.077	-0.078	-0.180	-0.188	-0.199	-0.205	-0.205	-0.204
2.35	.945	-0.001	-0.001	-0.006	-0.030	-0.028	-0.028	-0.107	-0.108	-0.102	-0.145	-0.146	-0.146
1.74	.964	-0.031	-0.030	-0.047	-0.084	-0.084	-0.084	-0.197	-0.197	-0.197	-0.206	-0.206	-0.206
.73	.983	-0.091	-0.099	-0.097	-0.119	-0.117	-0.115	-0.190	-0.190	-0.190	-0.206	-0.206	-0.206
.30	.993	-0.126	-0.124	-0.123	-0.146	-0.142	-0.142	-0.207	-0.207	-0.207	-0.212	-0.212	-0.212
.17	.996	-0.133	-0.131	-0.131	-0.153	-0.152	-0.153	-0.212	-0.212	-0.212	-0.219	-0.219	-0.219
		P _{t,1} /P _∞ = 2.99			P _{t,2} /P _∞ = 2.99			P _{t,3} /P _∞ = 2.99			P _{t,4} /P _∞ = 3.05		
12.01	.719	-0.036	-0.028	-0.019	-0.039	-0.023	-0.012	-0.116	-0.100	-0.090	-0.098	-0.094	-0.047
10.39	.727	-0.091	-0.047	-0.040	-0.048	-0.045	-0.040	-0.087	-0.083	-0.079	-0.098	-0.094	-0.048
8.76	.795	-0.108	-0.105	-0.102	-0.123	-0.120	-0.118	-0.149	-0.148	-0.148	-0.112	-0.111	-0.109
7.18	.832	-0.127	-0.127	-0.128	-0.128	-0.128	-0.128	-0.148	-0.148	-0.148	-0.112	-0.111	-0.109
5.56	.870	-0.117	-0.117	-0.116	-0.136	-0.136	-0.136	-0.149	-0.149	-0.149	-0.112	-0.111	-0.109
3.93	.908	-0.068	-0.069	-0.071	-0.074	-0.076	-0.077	-0.189	-0.190	-0.200	-0.206	-0.206	-0.203
2.35	.945	-0.011	-0.008	-0.006	-0.019	-0.016	-0.014	-0.104	-0.102	-0.100	-0.145	-0.146	-0.146
1.74	.964	-0.049	-0.048	-0.046	-0.065	-0.065	-0.059	-0.190	-0.188	-0.186	-0.206	-0.206	-0.206
.73	.983	-0.099	-0.098	-0.094	-0.118	-0.116	-0.115	-0.189	-0.187	-0.186	-0.206	-0.206	-0.206
.30	.993	-0.129	-0.120	-0.119	-0.145	-0.140	-0.140	-0.204	-0.203	-0.202	-0.212	-0.212	-0.212
.17	.996	-0.128	-0.120	-0.120	-0.149	-0.148	-0.147	-0.210	-0.209	-0.208	-0.219	-0.219	-0.219
		P _{t,1} /P _∞ = 4.98			P _{t,2} /P _∞ = 4.98			P _{t,3} /P _∞ = 4.97			P _{t,4} /P _∞ = 4.97		
12.01	.719	-0.040	-0.029	-0.019	-0.036	-0.025	-0.014	-0.114	-0.100	-0.091	-0.096	-0.093	-0.047
10.39	.727	-0.098	-0.048	-0.041	-0.050	-0.047	-0.041	-0.086	-0.083	-0.078	-0.099	-0.092	-0.047
8.76	.795	-0.108	-0.105	-0.102	-0.123	-0.120	-0.117	-0.150	-0.149	-0.149	-0.112	-0.111	-0.108
7.18	.832	-0.127	-0.127	-0.128	-0.128	-0.128	-0.128	-0.148	-0.148	-0.148	-0.112	-0.111	-0.108
5.56	.870	-0.117	-0.117	-0.116	-0.135	-0.135	-0.135	-0.149	-0.149	-0.149	-0.112	-0.111	-0.108
3.93	.908	-0.068	-0.069	-0.070	-0.074	-0.076	-0.077	-0.189	-0.190	-0.200	-0.206	-0.206	-0.203
2.35	.945	-0.011	-0.011	-0.006	-0.023	-0.020	-0.017	-0.106	-0.104	-0.103	-0.145	-0.146	-0.146
1.74	.964	-0.049	-0.048	-0.046	-0.065	-0.065	-0.059	-0.190	-0.188	-0.186	-0.206	-0.206	-0.206
.73	.983	-0.099	-0.098	-0.094	-0.118	-0.116	-0.115	-0.189	-0.187	-0.186	-0.206	-0.206	-0.206
.30	.993	-0.129	-0.120	-0.119	-0.145	-0.140	-0.140	-0.204	-0.203	-0.202	-0.212	-0.212	-0.212
.17	.996	-0.128	-0.120	-0.120	-0.149	-0.148	-0.147	-0.210	-0.209	-0.208	-0.219	-0.219	-0.219
		P _{t,1} /P _∞ = 7.92 (max.)			P _{t,2} /P _∞ = 7.92 (max.)			P _{t,3} /P _∞ = 7.92			P _{t,4} /P _∞ = 6.99		
12.01	.719	-0.047	-0.028	-0.019	-0.042	-0.024	-0.014	-0.114	-0.100	-0.090	-0.098	-0.094	-0.047
10.39	.727	-0.091	-0.047	-0.040	-0.050	-0.046	-0.041	-0.086	-0.083	-0.079	-0.099	-0.094	-0.048
8.76	.795	-0.108	-0.105	-0.102	-0.123	-0.120	-0.118	-0.149	-0.148	-0.148	-0.112	-0.111	-0.110
7.18	.832	-0.127	-0.127	-0.128	-0.128	-0.128	-0.128	-0.148	-0.148	-0.148	-0.112	-0.111	-0.110
5.56	.870	-0.116	-0.117	-0.117	-0.134	-0.135	-0.136	-0.149	-0.149	-0.149	-0.112	-0.111	-0.110
3.93	.908	-0.068	-0.069	-0.071	-0.074	-0.076	-0.077	-0.189	-0.190	-0.200	-0.206	-0.206	-0.203
2.35	.945	-0.011	-0.011	-0.007	-0.023	-0.021	-0.017	-0.106	-0.104	-0.103	-0.145	-0.146	-0.146
1.74	.964	-0.049	-0.048	-0.046	-0.065	-0.065	-0.059	-0.190	-0.188	-0.186	-0.206	-0.206	-0.206
.73	.983	-0.099	-0.098	-0.094	-0.118	-0.116	-0.115	-0.189	-0.187	-0.186	-0.206	-0.206	-0.206
.30	.993	-0.129	-0.120	-0.119	-0.145	-0.140	-0.140	-0.204	-0.203	-0.202	-0.212	-0.212	-0.212
.17	.996	-0.128	-0.120	-0.120	-0.149	-0.148	-0.147	-0.210	-0.209	-0.208	-0.219	-0.219	-0.219
		P _{t,1} /P _∞ = 8.14 (max.)			P _{t,2} /P _∞ = 8.14 (max.)			P _{t,3} /P _∞ = 8.14			P _{t,4} /P _∞ = 8.14		
12.01	.719	-0.061	-0.028	-0.019	-0.042	-0.024	-0.014	-0.114	-0.100	-0.090	-0.098	-0.094	-0.047
10.39	.727	-0.091	-0.047	-0.040	-0.050	-0.046	-0.041	-0.086	-0.083	-0.079	-0.099	-0.094	-0.048
8.76	.795	-0.108	-0.105	-0.102	-0.123	-0.120	-0.118	-0.149	-0.148	-0.148	-0.112	-0.111	-0.110
7.18	.832	-0.127	-0.127	-0.128	-0.128	-0.128	-0.128	-0.148	-0.148	-0.148	-0.112	-0.111	-0.110
5.56	.870	-0.116	-0.117	-0.117	-0.134	-0.135	-0.136	-0.149	-0.149	-0.149	-0.112	-0.111	-0.110
3.93	.908	-0.068	-0.069	-0.071	-0.074	-0.076	-0.077	-0.189	-0.190	-0.200	-0.206	-0.206	-0.203
2.35	.945	-0.011	-0.011	-0.007	-0.023	-0.021	-0.017	-0.106	-0.104	-0.103	-0.145	-0.146	-0.146
1.74	.964	-0.049	-0.048	-0.046	-0.065	-0.065	-0.059	-0.190	-0.188	-0.186	-0.206	-0.206	-0.206
.73	.983	-0.099	-0.098	-0.094	-0.118	-0.116	-0.115	-0.189	-0.187	-0.186	-0.206	-0.206	-0.206
.30	.993	-0.129	-0.120	-0.119	-0.145	-0.140	-0.140	-0.204	-0.203	-0.202	-0.212	-0.212	-0.212
.17	.996	-0.128	-0.120	-0.120	-0.149	-0.148	-0.147	-0.210	-0.209	-0.208	-0.219	-0.219	-0.219

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(h) Afterbody VII - Continued

 $t_j = 800^\circ F$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,j}/P_\infty = 1.99$			$P_{c,j}/P_\infty = 2.01$			$P_{c,j}/P_\infty = 2.00$			$P_{c,j}/P_\infty = 1.99$		
12.01	0.719	-0.042	-0.025	-0.014	-0.041	-0.024	-0.012	-0.114	-0.100	-0.091	-0.050	-0.054	-0.045
10.59	.757	-0.047	-0.027	-0.038	-0.045	-0.025	-0.039	-0.095	-0.085	-0.080	-0.050	-0.054	-0.049
8.76	.795	-0.105	-0.105	-0.105	-0.123	-0.123	-0.119	-0.145	-0.147	-0.147	-0.112	-0.110	-0.106
7.18	.832	-0.128	-0.127	-0.127	-0.153	-0.153	-0.149	-0.231	-0.230	-0.227	-0.180	-0.179	-0.177
5.56	.870	-0.116	-0.117	-0.117	-0.136	-0.136	-0.136	-0.279	-0.277	-0.277	-0.225	-0.224	-0.224
3.95	.908	-0.069	-0.070	-0.071	-0.072	-0.076	-0.077	-0.179	-0.187	-0.198	-0.245	-0.245	-0.244
2.35	.945	.011	.008	.008	.021	.017	.015	.107	.105	.104	-0.144	-0.149	-0.154
1.54	.984	.052	.050	.047	.058	.054	.051	.156	.155	.151	.036	.028	.019
.75	.983	.104	.102	.099	.123	.119	.119	.195	.191	.191	.107	.107	.107
.50	.993	.129	.128	.127	.151	.148	.148	.210	.210	.210	.132	.131	.132
.17	.996	.139	.137	.137	.160	.159	.159	.214	.214	.213	.139	.140	.140
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$P_{c,j}/P_\infty = 2.99$ $P_{c,j}/P_\infty = 3.00$ $P_{c,j}/P_\infty = 2.99$ $P_{c,j}/P_\infty = 3.01$													
12.01	.719	-0.046	-0.025	-0.016	-0.040	-0.022	-0.011	-0.114	-0.100	-0.091	-0.050	-0.053	-0.045
10.59	.757	-0.049	-0.027	-0.040	-0.049	-0.025	-0.040	-0.096	-0.085	-0.079	-0.059	-0.055	-0.046
8.76	.795	-0.108	-0.104	-0.103	-0.123	-0.123	-0.121	-0.150	-0.148	-0.146	-0.112	-0.109	-0.107
7.18	.832	-0.128	-0.127	-0.126	-0.153	-0.153	-0.152	-0.232	-0.231	-0.228	-0.179	-0.177	-0.176
5.56	.870	-0.116	-0.116	-0.116	-0.136	-0.136	-0.136	-0.280	-0.278	-0.278	-0.225	-0.224	-0.224
3.95	.908	-0.069	-0.070	-0.071	-0.072	-0.076	-0.077	-0.180	-0.186	-0.192	-0.244	-0.244	-0.243
2.35	.945	.010	.008	.008	.021	.017	.015	.105	.102	.102	-0.149	-0.148	-0.153
1.54	.984	.051	.049	.047	.058	.054	.051	.152	.150	.148	.035	.025	.016
.75	.983	.101	.100	.097	.119	.117	.115	.190	.188	.188	.105	.104	.105
.50	.993	.129	.128	.125	.147	.144	.147	.206	.206	.206	.129	.129	.130
.17	.996	.134	.134	.134	.159	.154	.154	.211	.210	.213	.137	.137	.138
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$P_{c,j}/P_\infty = 4.99$ $P_{c,j}/P_\infty = 4.99$ $P_{c,j}/P_\infty = 4.98$ $P_{c,j}/P_\infty = 5.01$													
12.01	.719	-0.047	-0.027	-0.019	-0.040	-0.023	-0.012	-0.113	-0.099	-0.090	-0.050	-0.053	-0.044
10.59	.757	-0.050	-0.025	-0.041	-0.049	-0.025	-0.040	-0.095	-0.082	-0.079	-0.058	-0.055	-0.047
8.76	.795	-0.109	-0.105	-0.105	-0.124	-0.124	-0.119	-0.149	-0.148	-0.147	-0.112	-0.110	-0.108
7.18	.832	-0.129	-0.128	-0.127	-0.153	-0.153	-0.150	-0.231	-0.230	-0.227	-0.180	-0.179	-0.177
5.56	.870	-0.117	-0.117	-0.117	-0.136	-0.136	-0.136	-0.279	-0.278	-0.278	-0.225	-0.225	-0.225
3.95	.908	-0.070	-0.070	-0.073	-0.073	-0.078	-0.078	-0.186	-0.183	-0.186	-0.245	-0.244	-0.244
2.35	.945	.011	.007	.007	.020	.015	.015	.104	.103	.103	-0.146	-0.150	-0.155
1.54	.984	.053	.051	.048	.058	.054	.053	.154	.152	.150	.035	.027	.017
.75	.983	.102	.104	.105	.123	.122	.122	.191	.191	.191	.107	.106	.117
.50	.993	.135	.131	.132	.153	.152	.152	.206	.206	.206	.130	.130	.130
.17	.996	.140	.140	.140	.160	.160	.160	.213	.212	.214	.138	.138	.138
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$P_{c,j}/P_\infty = 7.01$ $P_{c,j}/P_\infty = 6.99$ $P_{c,j}/P_\infty = 6.97$ $P_{c,j}/P_\infty = 7.00$													
12.01	.719	-0.043	-0.026	-0.015	-0.041	-0.023	-0.012	-0.114	-0.100	-0.090	-0.050	-0.051	-0.043
10.59	.757	-0.047	-0.025	-0.040	-0.049	-0.025	-0.041	-0.096	-0.083	-0.080	-0.050	-0.052	-0.047
8.76	.795	-0.107	-0.102	-0.102	-0.124	-0.124	-0.118	-0.150	-0.149	-0.148	-0.112	-0.110	-0.108
7.18	.832	-0.126	-0.125	-0.124	-0.152	-0.152	-0.149	-0.232	-0.231	-0.228	-0.181	-0.180	-0.178
5.56	.870	-0.113	-0.113	-0.113	-0.135	-0.135	-0.135	-0.280	-0.279	-0.279	-0.225	-0.225	-0.225
3.95	.908	-0.063	-0.066	-0.065	-0.069	-0.073	-0.076	-0.182	-0.180	-0.180	-0.246	-0.245	-0.244
2.35	.945	.019	.015	.014	.027	.024	.023	.111	.108	.106	-0.134	-0.140	-0.148
1.54	.984	.062	.062	.057	.070	.064	.063	.158	.157	.156	.046	.039	.030
.75	.983	.123	.120	.120	.139	.136	.135	.196	.195	.194	.116	.115	.116
.50	.993	.154	.152	.153	.170	.168	.169	.214	.212	.214	.139	.138	.139
.17	.996	.164	.164	.164	.179	.179	.179	.217	.217	.219	.146	.146	.147
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$P_{c,j}/P_\infty = 8.98$ $P_{c,j}/P_\infty = 8.98$ $P_{c,j}/P_\infty = 8.99$ $P_{c,j}/P_\infty = 8.96$													
12.01	.719	-0.047	-0.027	-0.019	-0.040	-0.023	-0.012	-0.114	-0.099	-0.089	-0.051	-0.051	-0.042
10.59	.757	-0.051	-0.025	-0.042	-0.048	-0.024	-0.041	-0.097	-0.082	-0.078	-0.059	-0.052	-0.046
8.76	.795	-0.107	-0.102	-0.102	-0.124	-0.124	-0.118	-0.150	-0.149	-0.149	-0.113	-0.111	-0.108
7.18	.832	-0.126	-0.126	-0.126	-0.152	-0.152	-0.149	-0.232	-0.231	-0.229	-0.181	-0.180	-0.178
5.56	.870	-0.113	-0.112	-0.113	-0.135	-0.135	-0.135	-0.280	-0.278	-0.278	-0.225	-0.225	-0.225
3.95	.908	-0.064	-0.065	-0.066	-0.067	-0.072	-0.072	-0.184	-0.181	-0.181	-0.246	-0.246	-0.244
2.35	.945	.023	.021	.019	.033	.031	.026	.117	.113	.113	-0.109	-0.117	-0.128
1.54	.984	.072	.072	.067	.088	.086	.082	.164	.163	.160	.054	.057	.052
.75	.983	.130	.129	.125	.150	.144	.143	.203	.203	.203	.128	.127	.129
.50	.993	.179	.175	.173	.199	.190	.190	.221	.219	.221	.149	.149	.150
.17	.996	.185	.180	.188	.198	.199	.205	.225	.225	.225	.155	.155	.157
<hr/>													
$P_{c,j}/P_\infty = 11.04$ $P_{c,j}/P_\infty = 10.97$													
12.01	.719							-0.115	-0.101	-0.091	-0.050	-0.051	-0.043
10.59	.757							-0.096	-0.084	-0.080	-0.059	-0.052	-0.046
8.76	.795							-0.251	-0.250	-0.250	-0.113	-0.111	-0.108
7.18	.832							-0.253	-0.252	-0.250	-0.188	-0.180	-0.178
5.56	.870							-0.281	-0.279	-0.279	-0.226	-0.226	-0.226
3.95	.908							-0.118	-0.125	-0.130	-0.247	-0.246	-0.245
2.35	.945							.128	.122	.122	-0.067	-0.079	-0.089
1.54	.984							.171	.170	.166	.055	.052	.077
.75	.983							.212	.211	.213	.141	.140	.142
.50	.993							.228	.228	.230	.158	.158	.161
.17	.996							.235	.235	.236	.164	.165	.168

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(h) Afterbody VII - Concluded

$$t_1 = 1,200^\circ \text{ F}$$

$\frac{x}{d}$	$\frac{x}{r_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,2}/P_\infty = 2.00$			$P_{t,2}/P_\infty = 2.00$			$P_{t,2}/P_\infty = 2.00$			$P_{t,2}/P_\infty = 1.98$		
12.01	0.719	-0.034	-0.027	-0.017	-0.030	-0.024	-0.015	-0.102	-0.100	-0.091	-0.092	-0.091	-0.082
10.59	0.757	-0.030	-0.024	-0.013	-0.026	-0.020	-0.011	-0.086	-0.084	-0.075	-0.075	-0.074	-0.065
8.76	0.795	-0.107	-0.102	-0.105	-0.125	-0.122	-0.120	-0.149	-0.151	-0.150	-0.132	-0.130	-0.108
7.18	0.832	-0.126	-0.126	-0.123	-0.152	-0.153	-0.150	-0.234	-0.234	-0.231	-0.179	-0.178	-0.176
5.56	0.870	-0.130	-0.116	-0.110	-0.156	-0.156	-0.156	-0.282	-0.281	-0.282	-0.229	-0.228	-0.228
3.95	0.908	-0.046	-0.048	-0.069	-0.073	-0.070	-0.077	-0.184	-0.182	-0.180	-0.248	-0.244	-0.243
2.32	0.945	-0.019	-0.012	-0.009	-0.009	-0.009	-0.017	-0.109	-0.107	-0.105	-0.198	-0.190	-0.189
1.54	0.984	0.000	0.000	0.002	0.009	0.008	0.000	0.058	0.057	0.053	0.042	0.043	0.020
0.75	0.983	0.110	0.108	0.107	0.120	0.124	0.122	0.194	0.192	0.191	0.132	0.130	0.111
0.50	0.993	0.138	0.134	0.134	0.150	0.151	0.152	0.209	0.208	0.209	0.156	0.156	0.156
0.17	0.996	0.142	0.144	0.144	0.165	0.162	0.163	0.214	0.214	0.214	0.165	0.165	0.164
		$P_{t,2}/P_\infty = 3.01$			$P_{t,2}/P_\infty = 2.97$			$P_{t,2}/P_\infty = 2.99$			$P_{t,2}/P_\infty = 3.01$		
12.01	0.719	-0.034	-0.029	-0.018	-0.030	-0.023	-0.013	-0.104	-0.100	-0.091	-0.092	-0.092	-0.083
10.59	0.757	-0.031	-0.024	-0.013	-0.026	-0.020	-0.011	-0.086	-0.084	-0.075	-0.075	-0.074	-0.065
8.76	0.795	-0.106	-0.107	-0.104	-0.125	-0.123	-0.120	-0.149	-0.151	-0.150	-0.132	-0.130	-0.108
7.18	0.832	-0.127	-0.127	-0.122	-0.151	-0.151	-0.148	-0.233	-0.233	-0.231	-0.179	-0.178	-0.176
5.56	0.870	-0.117	-0.117	-0.116	-0.154	-0.154	-0.150	-0.282	-0.281	-0.282	-0.229	-0.228	-0.228
3.95	0.908	-0.069	-0.069	-0.071	-0.072	-0.073	-0.075	-0.174	-0.172	-0.170	-0.246	-0.243	-0.243
2.32	0.945	0.013	0.010	0.008	0.003	0.001	0.001	-0.109	-0.107	-0.104	-0.197	-0.199	-0.194
1.54	0.984	0.074	0.069	0.069	0.069	0.069	0.069	0.054	0.054	0.049	0.049	0.049	0.020
0.75	0.983	0.109	0.103	0.099	0.124	0.122	0.120	0.191	0.190	0.190	0.130	0.130	0.109
0.50	0.993	0.132	0.127	0.127	0.152	0.148	0.149	0.207	0.206	0.206	0.150	0.150	0.150
0.17	0.996	0.138	0.137	0.137	0.159	0.157	0.158	0.212	0.212	0.212	0.157	0.158	0.158
		$P_{t,2}/P_\infty = 5.01$			$P_{t,2}/P_\infty = 5.02$			$P_{t,2}/P_\infty = 5.01$			$P_{t,2}/P_\infty = 5.02$		
12.01	0.719	-0.034	-0.028	-0.018	-0.029	-0.022	-0.013	-0.104	-0.100	-0.089	-0.092	-0.092	-0.083
10.59	0.757	-0.031	-0.024	-0.013	-0.026	-0.020	-0.011	-0.086	-0.084	-0.077	-0.075	-0.074	-0.065
8.76	0.795	-0.107	-0.106	-0.104	-0.125	-0.122	-0.120	-0.149	-0.150	-0.150	-0.132	-0.130	-0.108
7.18	0.832	-0.126	-0.126	-0.122	-0.150	-0.150	-0.147	-0.232	-0.232	-0.229	-0.178	-0.178	-0.176
5.56	0.870	-0.118	-0.117	-0.117	-0.154	-0.154	-0.154	-0.281	-0.280	-0.280	-0.227	-0.227	-0.227
3.95	0.908	-0.046	-0.048	-0.069	-0.070	-0.072	-0.074	-0.182	-0.182	-0.182	-0.244	-0.244	-0.243
2.32	0.945	0.010	0.013	0.010	0.006	0.003	0.000	-0.107	-0.104	-0.102	-0.190	-0.190	-0.182
1.54	0.984	0.078	0.072	0.072	0.073	0.071	0.068	0.054	0.052	0.050	0.030	0.030	0.018
0.75	0.983	0.111	0.106	0.107	0.130	0.128	0.126	0.191	0.190	0.190	0.099	0.099	0.078
0.50	0.993	0.139	0.135	0.135	0.159	0.157	0.157	0.206	0.206	0.206	0.127	0.126	0.127
0.17	0.996	0.146	0.144	0.145	0.167	0.164	0.164	0.212	0.212	0.212	0.157	0.157	0.156
		$P_{t,2}/P_\infty = 6.98$			$P_{t,2}/P_\infty = 7.00$			$P_{t,2}/P_\infty = 6.98$			$P_{t,2}/P_\infty = 6.98$		
12.01	0.719	-0.033	-0.026	-0.017	-0.030	-0.024	-0.010	-0.102	-0.104	-0.095	-0.092	-0.092	-0.083
10.59	0.757	-0.048	-0.044	-0.040	-0.050	-0.046	-0.037	-0.087	-0.089	-0.081	-0.078	-0.078	-0.067
8.76	0.795	-0.105	-0.105	-0.101	-0.122	-0.120	-0.118	-0.149	-0.151	-0.151	-0.131	-0.132	-0.110
7.18	0.832	-0.125	-0.125	-0.122	-0.150	-0.150	-0.147	-0.233	-0.233	-0.232	-0.180	-0.180	-0.176
5.56	0.870	-0.112	-0.113	-0.112	-0.153	-0.152	-0.152	-0.282	-0.280	-0.280	-0.228	-0.228	-0.228
3.95	0.908	-0.063	-0.060	-0.066	-0.067	-0.069	-0.071	-0.176	-0.176	-0.179	-0.247	-0.246	-0.245
2.32	0.945	0.022	0.019	0.016	0.011	0.008	0.004	-0.115	-0.110	-0.108	-0.193	-0.193	-0.193
1.54	0.984	0.067	0.060	0.061	0.061	0.059	0.057	0.050	0.049	0.047	0.030	0.030	0.018
0.75	0.983	0.120	0.122	0.122	0.142	0.140	0.136	0.197	0.197	0.197	0.117	0.117	0.117
0.50	0.993	0.157	0.154	0.155	0.175	0.170	0.171	0.211	0.211	0.215	0.140	0.139	0.140
0.17	0.996	0.167	0.165	0.167	0.185	0.181	0.182	0.217	0.217	0.218	0.147	0.148	0.148
		$P_{t,2}/P_\infty = 8.98$			$P_{t,2}/P_\infty = 9.01$			$P_{t,2}/P_\infty = 9.25$			$P_{t,2}/P_\infty = 8.99$		
12.01	0.719	-0.032	-0.028	-0.016	-0.029	-0.023	-0.012	-0.104	-0.105	-0.095	-0.094	-0.094	-0.085
10.59	0.757	-0.047	-0.043	-0.038	-0.048	-0.044	-0.039	-0.086	-0.088	-0.083	-0.078	-0.078	-0.067
8.76	0.795	-0.104	-0.105	-0.100	-0.123	-0.119	-0.117	-0.149	-0.151	-0.151	-0.131	-0.130	-0.109
7.18	0.832	-0.124	-0.124	-0.120	-0.149	-0.149	-0.147	-0.233	-0.233	-0.231	-0.179	-0.178	-0.176
5.56	0.870	-0.111	-0.110	-0.110	-0.151	-0.151	-0.152	-0.280	-0.281	-0.281	-0.226	-0.226	-0.226
3.95	0.908	-0.050	-0.048	-0.048	-0.064	-0.064	-0.068	-0.188	-0.187	-0.189	-0.246	-0.244	-0.242
2.32	0.945	0.028	0.025	0.023	0.018	0.016	0.012	-0.121	-0.119	-0.117	-0.094	-0.091	-0.084
1.54	0.984	0.077	0.070	0.073	0.072	0.071	0.067	0.058	0.057	0.057	0.032	0.032	0.018
0.75	0.983	0.141	0.140	0.139	0.159	0.157	0.156	0.204	0.204	0.205	0.133	0.133	0.134
0.50	0.993	0.176	0.175	0.176	0.192	0.190	0.192	0.219	0.219	0.222	0.154	0.154	0.152
0.17	0.996	0.187	0.187	0.190	0.202	0.201	0.204	0.224	0.224	0.229	0.160	0.161	0.162
								$P_{t,2}/P_\infty = 10.90$			$P_{t,2}/P_\infty = 11.04$		
12.01	0.719							-0.106	-0.101	-0.092	-0.092	-0.092	-0.082
10.59	0.757							-0.088	-0.084	-0.082	-0.081	-0.081	-0.072
8.76	0.795							-0.150	-0.151	-0.151	-0.131	-0.130	-0.109
7.18	0.832							-0.234	-0.234	-0.231	-0.179	-0.178	-0.176
5.56	0.870							-0.282	-0.281	-0.281	-0.226	-0.225	-0.224
3.95	0.908							-0.180	-0.180	-0.179	-0.246	-0.245	-0.243
2.32	0.945							-0.127	-0.128	-0.125	-0.094	-0.091	-0.072
1.54	0.984							-0.074	-0.074	-0.073	0.091	0.092	0.072
0.75	0.983							0.212	0.213	0.214	0.144	0.144	0.140
0.50	0.993							0.220	0.227	0.231	0.162	0.163	0.160
0.17	0.996							0.230	0.233	0.237	0.169	0.169	0.172

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody VIII

 $t_2 = \text{Cold}$

$\frac{x}{L}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,2}/P_\infty = 1.06$			$P_{t,2}/P_\infty = 1.08$			$P_{t,2}/P_\infty = 1.14$			$P_{t,2}/P_\infty = 1.10$		
12.01	0.719	-0.023	-0.024	-0.012	-0.020	-0.020	-0.008	-0.103	-0.111	-0.097	-0.046	-0.058	-0.043
10.59	.757	-0.036	-0.032	-0.085	-0.034	-0.030	-0.020	-0.087	-0.084	-0.076	-0.098	-0.092	-0.043
8.76	.795	-0.063	-0.055	-0.094	-0.058	-0.059	-0.056	-0.083	-0.079	-0.072	-0.063	-0.055	-0.051
7.18	.832	-0.136	-0.135	-0.133	-0.170	-0.166	-0.176	-0.174	-0.173	-0.173	-0.126	-0.125	-0.125
5.56	.870	-0.143	-0.143	-0.140	-0.181	-0.181	-0.176	-0.252	-0.252	-0.246	-0.194	-0.195	-0.190
5.99	.908	-0.114	-0.111	-0.114	-0.134	-0.134	-0.138	-0.306	-0.306	-0.306	-0.253	-0.250	-0.251
2.25	.945	-0.033	-0.036	-0.038	-0.035	-0.038	-0.040	-0.004	-0.010	-0.010	-0.277	-0.269	-0.259
1.54	.964	-0.018	-0.015	-0.010	-0.004	-0.002	-0.018	-0.105	-0.099	-0.099	-0.056	-0.112	-0.127
.73	.983	-0.071	-0.069	-0.062	-0.082	-0.080	-0.071	-0.157	-0.155	-0.155	-0.094	-0.097	-0.093
.50	.993	-0.100	-0.100	-0.098	-0.114	-0.112	-0.110	-0.177	-0.175	-0.175	-0.087	-0.089	-0.089
.17	.996	-0.113	-0.113	-0.113	-0.125	-0.125	-0.125	-0.183	-0.183	-0.183	-0.096	-0.096	-0.096
		$P_{t,2}/P_\infty = 1.58$			$P_{t,2}/P_\infty = 1.97$			$P_{t,2}/P_\infty = 1.91$			$P_{t,2}/P_\infty = 2.00$		
12.01	.719	-0.024	-0.024	-0.013	-0.018	-0.019	-0.007	-0.105	-0.111	-0.096	-0.050	-0.060	-0.046
10.59	.757	-0.037	-0.033	-0.086	-0.034	-0.030	-0.022	-0.087	-0.084	-0.076	-0.099	-0.094	-0.043
8.76	.795	-0.064	-0.056	-0.093	-0.065	-0.057	-0.054	-0.083	-0.079	-0.071	-0.066	-0.057	-0.053
7.18	.832	-0.138	-0.139	-0.135	-0.167	-0.164	-0.162	-0.177	-0.175	-0.173	-0.129	-0.129	-0.124
5.56	.870	-0.144	-0.144	-0.141	-0.177	-0.177	-0.173	-0.252	-0.251	-0.245	-0.195	-0.197	-0.190
5.99	.908	-0.112	-0.112	-0.116	-0.129	-0.128	-0.133	-0.309	-0.309	-0.307	-0.253	-0.251	-0.251
2.25	.945	-0.035	-0.034	-0.037	-0.030	-0.034	-0.035	-0.001	-0.003	-0.003	-0.274	-0.266	-0.256
1.54	.964	-0.017	-0.015	-0.011	-0.008	-0.006	-0.021	-0.105	-0.103	-0.103	-0.062	-0.110	-0.128
.73	.983	-0.067	-0.065	-0.062	-0.084	-0.082	-0.081	-0.158	-0.157	-0.157	-0.042	-0.099	-0.036
.50	.993	-0.091	-0.092	-0.089	-0.113	-0.113	-0.110	-0.177	-0.177	-0.177	-0.073	-0.077	-0.077
.17	.996	-0.101	-0.100	-0.100	-0.124	-0.124	-0.123	-0.185	-0.184	-0.184	-0.089	-0.089	-0.090
		$P_{t,2}/P_\infty = 5.00$			$P_{t,2}/P_\infty = 2.97$			$P_{t,2}/P_\infty = 2.90$			$P_{t,2}/P_\infty = 3.01$		
12.01	.719	-0.025	-0.025	-0.024	-0.018	-0.019	-0.006	-0.105	-0.110	-0.096	-0.048	-0.058	-0.046
10.59	.757	-0.037	-0.033	-0.087	-0.032	-0.029	-0.021	-0.086	-0.083	-0.076	-0.099	-0.093	-0.044
8.76	.795	-0.064	-0.056	-0.094	-0.065	-0.057	-0.054	-0.083	-0.079	-0.071	-0.064	-0.056	-0.053
7.18	.832	-0.139	-0.136	-0.134	-0.167	-0.163	-0.161	-0.177	-0.175	-0.172	-0.130	-0.129	-0.124
5.56	.870	-0.145	-0.145	-0.142	-0.178	-0.176	-0.172	-0.252	-0.252	-0.245	-0.195	-0.196	-0.190
5.99	.908	-0.115	-0.113	-0.117	-0.129	-0.128	-0.133	-0.309	-0.306	-0.306	-0.254	-0.251	-0.251
2.25	.945	-0.035	-0.039	-0.039	-0.031	-0.035	-0.035	-0.002	-0.007	-0.006	-0.277	-0.272	-0.260
1.54	.964	-0.014	-0.012	-0.008	-0.005	-0.005	-0.020	-0.102	-0.100	-0.098	-0.112	-0.125	-0.139
.73	.983	-0.062	-0.060	-0.058	-0.081	-0.079	-0.078	-0.155	-0.153	-0.154	-0.044	-0.098	-0.035
.50	.993	-0.083	-0.084	-0.082	-0.106	-0.107	-0.105	-0.179	-0.174	-0.173	-0.073	-0.076	-0.073
.17	.996	-0.091	-0.091	-0.091	-0.116	-0.116	-0.116	-0.181	-0.181	-0.181	-0.086	-0.087	-0.086
		$P_{t,2}/P_\infty = 4.99$			$P_{t,2}/P_\infty = 4.96$			$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 4.98$		
12.01	.719	-0.022	-0.023	-0.012	-0.018	-0.018	-0.006	-0.105	-0.111	-0.096	-0.050	-0.060	-0.047
10.59	.757	-0.035	-0.031	-0.084	-0.032	-0.029	-0.021	-0.087	-0.083	-0.076	-0.099	-0.094	-0.046
8.76	.795	-0.062	-0.054	-0.092	-0.063	-0.057	-0.054	-0.083	-0.079	-0.071	-0.069	-0.057	-0.053
7.18	.832	-0.136	-0.133	-0.132	-0.166	-0.163	-0.161	-0.177	-0.175	-0.172	-0.129	-0.129	-0.124
5.56	.870	-0.142	-0.142	-0.139	-0.175	-0.176	-0.172	-0.252	-0.251	-0.245	-0.196	-0.196	-0.191
5.99	.908	-0.111	-0.110	-0.114	-0.128	-0.128	-0.132	-0.308	-0.306	-0.306	-0.255	-0.251	-0.252
2.25	.945	-0.032	-0.032	-0.036	-0.029	-0.034	-0.034	-0.004	-0.008	-0.007	-0.270	-0.264	-0.250
1.54	.964	-0.017	-0.016	-0.011	-0.007	-0.006	-0.021	-0.101	-0.098	-0.096	-0.099	-0.117	-0.135
.73	.983	-0.065	-0.063	-0.061	-0.082	-0.079	-0.078	-0.153	-0.152	-0.153	-0.035	-0.084	-0.034
.50	.993	-0.086	-0.086	-0.085	-0.107	-0.106	-0.104	-0.172	-0.172	-0.171	-0.065	-0.066	-0.065
.17	.996	-0.092	-0.092	-0.091	-0.115	-0.115	-0.114	-0.178	-0.178	-0.178	-0.077	-0.077	-0.076
								$P_{t,2}/P_\infty = 6.94$			$P_{t,2}/P_\infty = 7.01$		
12.01	.719							-0.105	-0.112	-0.097	-0.049	-0.059	-0.046
10.59	.757							-0.088	-0.084	-0.076	-0.099	-0.093	-0.044
8.76	.795							-0.084	-0.076	-0.073	-0.064	-0.066	-0.053
7.18	.832							-0.178	-0.176	-0.174	-0.131	-0.129	-0.124
5.56	.870							-0.253	-0.253	-0.247	-0.195	-0.196	-0.191
5.99	.908							-0.310	-0.308	-0.309	-0.254	-0.250	-0.252
2.25	.945							-0.004	-0.001	-0.000	-0.277	-0.270	-0.258
1.54	.964							-0.103	-0.101	-0.100	-0.105	-0.116	-0.134
.73	.983							-0.156	-0.154	-0.153	-0.047	-0.041	-0.036
.50	.993							-0.174	-0.174	-0.173	-0.078	-0.078	-0.078
.17	.996							-0.180	-0.180	-0.180	-0.090	-0.090	-0.090

TABLE LII.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody VIII - Continued

$$t_1 = 800^\circ \text{ F}$$

X d _g		Pressure coefficients for -											
		M _∞ = 0.80			M _∞ = 0.90			M _∞ = 1.00			M _∞ = 1.10		
		α = 0°	α = 45°	α = 72°	α = 0°	α = 45°	α = 72°	α = 0°	α = 45°	α = 72°	α = 0°	α = 45°	α = 72°
		P _{c,1} /P _∞ = 1.96			P _{c,2} /P _∞ = 2.01			P _{c,3} /P _∞ = 2.05			P _{c,4} /P _∞ = 1.99		
12.01	0.719	-0.0623	-0.0629	-0.0614	-0.018	-0.019	-0.006	-0.109	-0.111	-0.098	-0.046	-0.054	-0.042
10.59	.757	-0.057	-0.057	-0.057	-0.031	-0.028	-0.022	-0.088	-0.088	-0.077	-0.037	-0.032	-0.032
8.76	.795	-0.052	-0.052	-0.053	-0.053	-0.048	-0.043	-0.074	-0.074	-0.073	-0.059	-0.059	-0.059
7.18	.832	-0.141	-0.137	-0.136	-0.165	-0.165	-0.162	-0.179	-0.178	-0.175	-0.150	-0.127	-0.124
5.56	.870	-0.145	-0.147	-0.142	-0.175	-0.176	-0.174	-0.204	-0.203	-0.201	-0.194	-0.198	-0.198
3.95	.906	-0.116	-0.117	-0.117	-0.128	-0.129	-0.133	-0.151	-0.150	-0.150	-0.201	-0.201	-0.200
2.34	.944	-0.094	-0.097	-0.095	-0.094	-0.096	-0.096	-0.103	-0.102	-0.103	-0.259	-0.259	-0.259
1.54	.964	-0.014	-0.014	-0.011	-0.020	-0.027	-0.028	-0.102	-0.106	-0.109	-0.361	-0.361	-0.361
.73	.983	-0.069	-0.069	-0.063	-0.087	-0.082	-0.082	-0.160	-0.159	-0.159	-0.591	-0.591	-0.591
.30	.993	-0.094	-0.093	-0.092	-0.113	-0.113	-0.111	-0.179	-0.179	-0.179	-0.921	-0.921	-0.921
.17	.996	-0.104	-0.103	-0.103	-0.124	-0.124	-0.126	-0.185	-0.185	-0.186	-1.01	-1.01	-1.01
		P _{c,1} /P _∞ = 5.03			P _{c,2} /P _∞ = 5.01			P _{c,3} /P _∞ = 2.99			P _{c,4} /P _∞ = 5.01		
12.01	.719	-0.023	-0.022	-0.014	-0.017	-0.020	-0.008	-0.104	-0.110	-0.096	-0.046	-0.059	-0.043
10.59	.757	-0.038	-0.037	-0.026	-0.033	-0.029	-0.022	-0.086	-0.083	-0.076	-0.058	-0.058	-0.058
8.76	.795	-0.065	-0.067	-0.064	-0.069	-0.069	-0.064	-0.084	-0.078	-0.074	-0.063	-0.066	-0.063
7.18	.832	-0.137	-0.138	-0.135	-0.163	-0.164	-0.163	-0.178	-0.176	-0.175	-0.150	-0.126	-0.124
5.56	.870	-0.144	-0.144	-0.142	-0.178	-0.178	-0.174	-0.203	-0.203	-0.204	-0.199	-0.199	-0.199
3.95	.906	-0.115	-0.115	-0.112	-0.132	-0.132	-0.135	-0.150	-0.150	-0.150	-0.204	-0.201	-0.201
2.34	.944	-0.035	-0.040	-0.040	-0.051	-0.037	-0.037	-0.103	-0.106	-0.109	-0.274	-0.267	-0.257
1.54	.964	-0.015	-0.015	-0.008	-0.022	-0.022	-0.019	-0.108	-0.104	-0.104	-0.370	-0.370	-0.370
.73	.983	-0.064	-0.064	-0.060	-0.079	-0.078	-0.078	-0.153	-0.157	-0.157	-0.611	-0.611	-0.611
.30	.993	-0.089	-0.087	-0.086	-0.109	-0.106	-0.106	-0.177	-0.177	-0.177	-0.931	-0.931	-0.931
.17	.996	-0.096	-0.096	-0.097	-0.117	-0.118	-0.119	-0.183	-0.184	-0.185	-0.993	-0.993	-0.993
		P _{c,1} /P _∞ = 5.01			P _{c,2} /P _∞ = 4.98			P _{c,3} /P _∞ = 5.00			P _{c,4} /P _∞ = 4.98		
12.01	.719	-0.027	-0.026	-0.013	-0.020	-0.020	-0.009	-0.104	-0.110	-0.096	-0.044	-0.053	-0.042
10.59	.757	-0.038	-0.038	-0.028	-0.045	-0.040	-0.034	-0.087	-0.083	-0.076	-0.057	-0.050	-0.042
8.76	.795	-0.067	-0.067	-0.055	-0.066	-0.059	-0.056	-0.083	-0.076	-0.072	-0.063	-0.054	-0.051
7.18	.832	-0.140	-0.139	-0.135	-0.170	-0.166	-0.165	-0.176	-0.174	-0.174	-0.152	-0.127	-0.124
5.56	.870	-0.146	-0.146	-0.142	-0.179	-0.180	-0.175	-0.208	-0.206	-0.206	-0.199	-0.196	-0.191
3.95	.906	-0.117	-0.119	-0.118	-0.131	-0.132	-0.130	-0.150	-0.150	-0.150	-0.204	-0.202	-0.200
2.34	.944	-0.036	-0.039	-0.041	-0.052	-0.046	-0.043	-0.104	-0.104	-0.104	-0.277	-0.277	-0.276
1.54	.964	-0.011	-0.011	-0.007	-0.024	-0.021	-0.018	-0.105	-0.104	-0.104	-0.370	-0.370	-0.370
.73	.983	-0.062	-0.060	-0.056	-0.081	-0.075	-0.073	-0.158	-0.156	-0.156	-0.611	-0.611	-0.611
.30	.993	-0.084	-0.083	-0.080	-0.106	-0.106	-0.102	-0.175	-0.175	-0.175	-0.931	-0.931	-0.931
.17	.996	-0.094	-0.093	-0.090	-0.116	-0.113	-0.112	-0.183	-0.183	-0.185	-0.993	-0.993	-0.993
		P _{c,1} /P _∞ = 7.03			P _{c,2} /P _∞ = 7.04			P _{c,3} /P _∞ = 6.92			P _{c,4} /P _∞ = 7.01		
12.01	.719	-0.024	-0.024	-0.015	-0.019	-0.020	-0.007	-0.104	-0.110	-0.096	-0.043	-0.053	-0.041
10.59	.757	-0.040	-0.033	-0.027	-0.035	-0.028	-0.023	-0.087	-0.083	-0.076	-0.056	-0.049	-0.041
8.76	.795	-0.064	-0.058	-0.053	-0.064	-0.057	-0.050	-0.084	-0.077	-0.072	-0.062	-0.053	-0.050
7.18	.832	-0.141	-0.138	-0.136	-0.165	-0.164	-0.162	-0.178	-0.175	-0.174	-0.151	-0.127	-0.124
5.56	.870	-0.144	-0.144	-0.142	-0.177	-0.177	-0.174	-0.203	-0.203	-0.203	-0.199	-0.196	-0.191
3.95	.906	-0.115	-0.115	-0.115	-0.129	-0.128	-0.133	-0.150	-0.150	-0.150	-0.204	-0.201	-0.202
2.34	.944	-0.033	-0.037	-0.031	-0.027	-0.034	-0.034	-0.084	-0.084	-0.084	-0.277	-0.277	-0.268
1.54	.964	-0.017	-0.016	-0.012	-0.024	-0.023	-0.024	-0.105	-0.101	-0.101	-0.370	-0.370	-0.370
.73	.983	-0.069	-0.066	-0.061	-0.088	-0.085	-0.085	-0.159	-0.156	-0.156	-0.611	-0.611	-0.611
.30	.993	-0.088	-0.086	-0.083	-0.109	-0.109	-0.109	-0.177	-0.177	-0.177	-0.931	-0.931	-0.931
.17	.996	-0.094	-0.093	-0.090	-0.117	-0.113	-0.113	-0.175	-0.175	-0.175	-0.993	-0.993	-0.993
		P _{c,1} /P _∞ = 9.02			P _{c,2} /P _∞ = 9.03			P _{c,3} /P _∞ = 8.96			P _{c,4} /P _∞ = 8.98		
12.01	.719	-0.020	-0.020	-0.015	-0.018	-0.019	-0.006	-0.104	-0.110	-0.097	-0.044	-0.054	-0.043
10.59	.757	-0.030	-0.034	-0.029	-0.038	-0.034	-0.028	-0.087	-0.084	-0.076	-0.057	-0.054	-0.051
8.76	.795	-0.060	-0.058	-0.054	-0.066	-0.057	-0.054	-0.084	-0.077	-0.072	-0.063	-0.054	-0.052
7.18	.832	-0.141	-0.137	-0.137	-0.165	-0.164	-0.161	-0.178	-0.177	-0.174	-0.152	-0.128	-0.127
5.56	.870	-0.145	-0.146	-0.143	-0.175	-0.176	-0.170	-0.203	-0.203	-0.203	-0.199	-0.197	-0.191
3.95	.906	-0.113	-0.113	-0.113	-0.129	-0.126	-0.131	-0.150	-0.150	-0.150	-0.204	-0.202	-0.202
2.34	.944	-0.034	-0.034	-0.034	-0.049	-0.047	-0.046	-0.105	-0.105	-0.105	-0.277	-0.277	-0.276
1.54	.964	-0.014	-0.014	-0.014	-0.024	-0.023	-0.023	-0.106	-0.106	-0.106	-0.370	-0.370	-0.370
.73	.983	-0.078	-0.078	-0.075	-0.101	-0.099	-0.097	-0.158	-0.157	-0.158	-0.611	-0.611	-0.611
.30	.993	-0.106	-0.106	-0.105	-0.131	-0.133	-0.129	-0.177	-0.177	-0.177	-0.931	-0.931	-0.931
.17	.996	-0.120	-0.119	-0.116	-0.145	-0.143	-0.142	-0.185	-0.185	-0.185	-0.993	-0.993	-0.993
		P _{c,1} /P _∞ = 10.96			P _{c,2} /P _∞ = 10.97								
12.01	.719	-0.020	-0.020	-0.015	-0.018	-0.019	-0.006	-0.104	-0.110	-0.097	-0.043	-0.054	-0.042
10.59	.757	-0.030	-0.034	-0.029	-0.038	-0.034	-0.028	-0.087	-0.084	-0.076	-0.057	-0.054	-0.051
8.76	.795	-0.060	-0.058	-0.054	-0.066	-0.057	-0.054	-0.084	-0.077	-0.072	-0.063	-0.054	-0.052
7.18	.832	-0.141	-0.137	-0.137	-0.165	-0.164	-0.161	-0.178	-0.177	-0.174	-0.152	-0.128	-0.127
5.56	.870	-0.145	-0.146	-0.143	-0.175	-0.176	-0.170	-0.203	-0.203	-0.203	-0.199	-0.197	-0.191
3.95	.906	-0.113	-0.113	-0.113	-0.129	-0.126	-0.131	-0.150	-0.150	-0.150	-0.204	-0.202	-0.202
2.34	.944	-0.034	-0.034	-0.034	-0.049	-0.047	-0.046	-0.105	-0.105	-0.105	-0.277	-0.277	-0.276
1.54	.964	-0.014	-0.014	-0.014	-0.024	-0.023	-0.023	-0.106	-0.106	-0.106	-0.370	-0.370	-0.370
.73	.983	-0.078	-0.078	-0.075	-0.101	-0.099	-0.097	-0.158	-0.157	-0.158	-0.611	-0.611	-0.611
.30	.993	-0.106	-0.106	-0.105	-0.131	-0.133	-0.129	-0.177	-0.177	-0.177	-0.931	-0.931	-0.931
.17	.996	-0.120	-0.119	-0.116	-0.145	-0.143	-0.142	-0.185	-0.185	-0.185	-0.993	-0.993	-0.993

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody VIII - Concluded

 $t_j = 1,200^\circ F$

$\frac{x}{t_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 2.04$			$P_{t,j}/P_\infty = 2.02$			$P_{t,j}/P_\infty = 2.06$			$P_{t,j}/P_\infty = 1.99$		
12.01	0.719	-0.025	-0.028	-0.016	-0.019	-0.021	-0.007	-0.102	-0.108	-0.097	-0.047	-0.055	-0.045
10.59	.757	-0.039	-0.036	-0.029	-0.036	-0.031	-0.024	-0.085	-0.083	-0.075	-0.039	-0.052	-0.044
8.76	.795	-0.056	-0.059	-0.056	-0.056	-0.059	-0.057	-0.082	-0.072	-0.072	-0.053	-0.056	-0.055
7.18	.832	-0.132	-0.139	-0.138	-0.159	-0.169	-0.164	-0.175	-0.176	-0.174	-0.130	-0.126	-0.124
5.56	.870	-0.118	-0.118	-0.116	-0.131	-0.131	-0.125	-0.253	-0.252	-0.247	-0.195	-0.196	-0.190
5.93	.908	-0.117	-0.116	-0.121	-0.131	-0.131	-0.135	-0.310	-0.307	-0.306	-0.229	-0.251	-0.252
2.55	.945	-0.037	-0.041	-0.039	-0.030	-0.034	-0.037	-0.021	-0.017	-0.017	-0.274	-0.267	-0.257
1.54	.984	.016	.015	.008	.028	.027	.023	.113	.110	.107	-0.051	-0.056	-0.111
.75	.983	.070	.058	.056	.085	.086	.083	.163	.162	.159	.024	.024	.048
.50	.993	.099	.098	.096	.116	.117	.116	.182	.181	.181	.069	.069	.088
.17	.996	.107	.106	.107	.129	.131	.131	.187	.186	.189	.099	.100	.101
		$P_{t,j}/P_\infty = 3.05$			$P_{t,j}/P_\infty = 3.01$			$P_{t,j}/P_\infty = 3.05$			$P_{t,j}/P_\infty = 2.99$		
12.01	.719	-0.026	-0.026	-0.016	-0.021	-0.021	-0.008	-0.102	-0.109	-0.099	-0.045	-0.056	-0.045
10.59	.757	-0.041	-0.037	-0.031	-0.036	-0.031	-0.025	-0.095	-0.083	-0.076	-0.038	-0.042	-0.042
8.76	.795	-0.069	-0.061	-0.058	-0.068	-0.059	-0.056	-0.082	-0.075	-0.070	-0.059	-0.056	-0.054
7.18	.832	-0.135	-0.139	-0.139	-0.172	-0.166	-0.165	-0.176	-0.174	-0.173	-0.130	-0.126	-0.124
5.56	.870	-0.118	-0.120	-0.116	-0.131	-0.130	-0.127	-0.252	-0.254	-0.248	-0.194	-0.195	-0.190
5.93	.908	-0.118	-0.118	-0.121	-0.135	-0.133	-0.136	-0.309	-0.308	-0.307	-0.224	-0.251	-0.251
2.55	.945	-0.038	-0.042	-0.042	-0.033	-0.038	-0.037	-0.019	-0.013	-0.013	-0.274	-0.265	-0.251
1.54	.984	.014	.012	.008	.026	.025	.019	.109	.106	.106	-0.053	-0.101	-0.116
.75	.983	.064	.062	.061	.084	.082	.080	.160	.159	.159	.022	.043	.043
.50	.993	.090	.090	.090	.112	.112	.110	.179	.179	.176	.052	.062	.065
.17	.996	.098	.100	.100	.122	.125	.124	.186	.185	.187	.095	.094	.095
		$P_{t,j}/P_\infty = 5.01$			$P_{t,j}/P_\infty = 5.06$			$P_{t,j}/P_\infty = 5.02$			$P_{t,j}/P_\infty = 5.15$		
12.01	.719	-0.024	-0.025	-0.015	-0.020	-0.020	-0.009	-0.102	-0.110	-0.096	-0.044	-0.054	-0.045
10.59	.757	-0.039	-0.035	-0.029	-0.039	-0.030	-0.025	-0.085	-0.083	-0.077	-0.036	-0.051	-0.045
8.76	.795	-0.066	-0.058	-0.052	-0.067	-0.059	-0.055	-0.085	-0.075	-0.072	-0.053	-0.055	-0.052
7.18	.832	-0.140	-0.139	-0.136	-0.165	-0.166	-0.165	-0.175	-0.171	-0.171	-0.130	-0.126	-0.126
5.56	.870	-0.117	-0.118	-0.111	-0.139	-0.139	-0.135	-0.251	-0.251	-0.245	-0.195	-0.197	-0.190
5.93	.908	-0.117	-0.117	-0.115	-0.132	-0.132	-0.134	-0.309	-0.305	-0.305	-0.225	-0.253	-0.253
2.55	.945	-0.037	-0.038	-0.041	-0.034	-0.036	-0.036	-0.014	-0.010	-0.010	-0.277	-0.269	-0.260
1.54	.984	.014	.014	.008	.026	.025	.020	.109	.106	.106	-0.101	-0.115	-0.127
.75	.983	.062	.061	.061	.083	.079	.078	.160	.158	.160	.046	.040	.036
.50	.993	.086	.089	.086	.109	.109	.107	.179	.176	.179	.079	.078	.076
.17	.996	.097	.095	.096	.120	.122	.119	.185	.185	.185	.091	.090	.091
		$P_{t,j}/P_\infty = 7.05$			$P_{t,j}/P_\infty = 7.00$			$P_{t,j}/P_\infty = 7.01$			$P_{t,j}/P_\infty = 7.08$		
12.01	.719	-0.026	-0.026	-0.014	-0.019	-0.019	-0.008	-0.104	-0.109	-0.096	-0.049	-0.058	-0.046
10.59	.757	-0.039	-0.034	-0.026	-0.033	-0.029	-0.025	-0.086	-0.083	-0.076	-0.051	-0.055	-0.046
8.76	.795	-0.065	-0.056	-0.050	-0.065	-0.057	-0.052	-0.082	-0.074	-0.072	-0.059	-0.058	-0.055
7.18	.832	-0.140	-0.137	-0.137	-0.167	-0.164	-0.165	-0.175	-0.176	-0.175	-0.130	-0.126	-0.125
5.56	.870	-0.115	-0.116	-0.111	-0.139	-0.139	-0.132	-0.252	-0.253	-0.247	-0.196	-0.196	-0.191
5.93	.908	-0.114	-0.114	-0.118	-0.129	-0.126	-0.132	-0.310	-0.307	-0.309	-0.226	-0.254	-0.253
2.55	.945	-0.033	-0.036	-0.039	-0.029	-0.031	-0.031	-0.022	-0.015	-0.016	-0.274	-0.260	-0.247
1.54	.984	.020	.019	.015	.051	.049	.027	.111	.106	.106	-0.072	-0.096	-0.112
.75	.983	.073	.070	.068	.091	.089	.088	.160	.160	.159	.049	.042	.041
.50	.993	.099	.100	.098	.120	.119	.117	.179	.179	.174	.080	.080	.076
.17	.996	.108	.107	.108	.131	.130	.131	.189	.186	.184	.092	.092	.091
		$P_{t,j}/P_\infty = 9.04$			$P_{t,j}/P_\infty = 9.06$			$P_{t,j}/P_\infty = 9.05$			$P_{t,j}/P_\infty = 9.05$		
12.01	.719	-0.026	-0.026	-0.015	-0.019	-0.020	-0.007	-0.102	-0.111	-0.097	-0.049	-0.058	-0.049
10.59	.757	-0.040	-0.035	-0.029	-0.039	-0.030	-0.021	-0.086	-0.083	-0.076	-0.051	-0.054	-0.046
8.76	.795	-0.067	-0.058	-0.054	-0.065	-0.057	-0.052	-0.082	-0.075	-0.072	-0.059	-0.058	-0.055
7.18	.832	-0.141	-0.137	-0.136	-0.167	-0.164	-0.165	-0.177	-0.177	-0.174	-0.130	-0.127	-0.125
5.56	.870	-0.116	-0.117	-0.112	-0.139	-0.139	-0.132	-0.252	-0.253	-0.247	-0.196	-0.197	-0.195
5.93	.908	-0.115	-0.112	-0.116	-0.128	-0.126	-0.131	-0.309	-0.307	-0.309	-0.225	-0.254	-0.255
2.55	.945	-0.030	-0.032	-0.034	-0.023	-0.025	-0.028	-0.048	-0.045	-0.045	-0.269	-0.254	-0.245
1.54	.984	.025	.024	.021	.040	.038	.039	.116	.113	.111	-0.048	-0.072	-0.089
.75	.983	.083	.083	.080	.105	.101	.102	.165	.164	.164	.063	.059	.058
.50	.993	.115	.112	.113	.137	.136	.135	.185	.184	.182	.097	.096	.096
.17	.996	.125	.125	.125	.148	.149	.148	.191	.190	.190	.109	.108	.109
		$P_{t,j}/P_\infty = 10.87 (max.)$			$P_{t,j}/P_\infty = 10.90$			$P_{t,j}/P_\infty = 10.98$					
12.01	.719				-0.019	-0.016	-0.007	-0.105	-0.108	-0.092	-0.046	-0.056	-0.045
10.59	.757				-0.034	-0.030	-0.022	-0.086	-0.082	-0.075	-0.038	-0.054	-0.045
8.76	.795				-0.063	-0.058	-0.051	-0.083	-0.074	-0.073	-0.053	-0.057	-0.054
7.18	.832				-0.165	-0.163	-0.160	-0.176	-0.174	-0.173	-0.131	-0.127	-0.126
5.56	.870				-0.175	-0.175	-0.170	-0.253	-0.252	-0.249	-0.197	-0.197	-0.190
5.93	.908				-0.182	-0.182	-0.185	-0.308	-0.307	-0.307	-0.225	-0.253	-0.254
2.55	.945				-0.013	-0.020	-0.020	-0.039	-0.034	-0.033	-0.265	-0.258	-0.249
1.54	.984				.049	.044	.044	.123	.121	.120	-0.021	-0.040	-0.056
.75	.983				.121	.116	.116	.171	.170	.172	.069	.065	.065
.50	.993				.155	.154	.154	.191	.190	.191	.119	.119	.115
.17	.996				.168	.166	.165	.197	.196	.197	.127	.126	.126

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(j) Afterbody IX

 $t_j = \text{Cold}$

$\frac{x}{d_j}$	$\frac{h}{d_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.01$			$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.08$			$P_{t,j}/P_\infty = 1.09$		
16.95	0.604	-0.118	-----	-0.226	-0.167	-----	-0.350	-0.089	-----	-0.254	0.099	-----	-0.118
15.22	.644	-.120	-.140	-.157	-.213	-0.259	-.261	-.209	-0.247	-.252	-.074	-0.115	-.122
13.51	.684	-.076	-.099	-.018	-.059	-.064	-.019	-.261	-.247	-.158	-.159	-.145	-.077
11.80	.724	-.059	-.045	-.020	-.060	-.048	-.022	-.209	-.189	-.156	-.156	-.099	-.070
10.09	.764	-.052	-.042	-.035	-.051	-.042	-.035	-.170	-.165	-.156	-.108	-.102	-.095
8.38	.804	-.052	-.045	-.042	-.056	-.047	-.045	-.164	-.154	-.150	-.119	-.109	-.106
6.67	.844	-----	-.050	-----	-----	-.054	-----	-----	-.168	-----	-----	-.156	-----
4.96	.884	-----	-.039	-.032	-----	-.038	-.037	-----	-.167	-.165	-----	-.141	-.135
3.25	.924	-.016	-.013	-.016	-.015	-.013	-.017	-.038	-.079	-.052	-.140	-.137	-.135
2.51	.946	.004	.004	.006	.007	.006	.007	.039	.056	.038	-.125	-.124	-.120
1.74	.964	.023	.021	.023	.028	.026	.027	.087	.085	.085	-.089	-.089	-.085
.17	.996	.026	.026	.026	.034	.032	.032	.111	.111	.111	.028	.034	.035
		$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.07$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.01$		
16.95	.604	-.120	-----	-.225	-.168	-----	-.329	-.090	-----	-.254	.041	-----	-.125
15.22	.644	-.121	-.141	-.156	-.209	-.235	-.225	-.205	-.248	-.238	-.074	-.115	-.120
13.51	.684	-.077	-.060	-.017	-.089	-.064	-.018	-.260	-.248	-.158	-.158	-.144	-.096
11.80	.724	-.061	-.045	-.024	-.060	-.041	-.022	-.209	-.189	-.156	-.156	-.099	-.070
10.09	.764	-.051	-.041	-.035	-.051	-.041	-.035	-.170	-.165	-.157	-.108	-.101	-.095
8.38	.804	-.051	-.044	-.040	-.055	-.045	-.045	-.164	-.153	-.151	-.119	-.109	-.103
6.67	.844	-----	-.047	-----	-----	-.051	-----	-----	-.168	-----	-----	-.156	-----
4.96	.884	-----	-.052	-.050	-----	-.054	-.054	-----	-.166	-.164	-----	-.141	-.140
3.25	.924	-.012	-.008	-.012	-.010	-.007	-.011	-.042	-.039	-.035	-.141	-.137	-.134
2.51	.946	.008	.008	.009	.013	.012	.014	.062	.059	.060	-.124	-.125	-.122
1.74	.964	.026	.026	.026	.032	.032	.035	.100	.098	.099	-.087	-.087	-.087
.17	.996	.007	.009	.010	.019	.021	.021	.114	.114	.115	.022	.026	.025
		$P_{t,j}/P_\infty = 2.90$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.96$			$P_{t,j}/P_\infty = 2.97$		
16.95	.604	-.121	-----	-.228	-.168	-----	-.328	-.091	-----	-.255	.039	-----	-.120
15.22	.644	-.122	-.140	-.159	-.209	-.235	-.225	-.205	-.248	-.238	-.075	-.114	-.121
13.51	.684	-.079	-.061	-.019	-.089	-.064	-.018	-.261	-.248	-.158	-.140	-.145	-.097
11.80	.724	-.062	-.044	-.025	-.060	-.041	-.022	-.209	-.189	-.156	-.156	-.099	-.070
10.09	.764	-.055	-.042	-.035	-.051	-.041	-.035	-.171	-.164	-.156	-.108	-.101	-.096
8.38	.804	-.055	-.045	-.042	-.055	-.045	-.044	-.164	-.153	-.151	-.109	-.106	-.106
6.67	.844	-----	-.048	-----	-----	-.052	-----	-----	-.169	-----	-----	-.156	-----
4.96	.884	-----	-.035	-.051	-----	-.035	-.035	-----	-.167	-.160	-----	-.141	-.140
3.25	.924	-.013	-.009	-.013	-.011	-.007	-.012	-.046	-.037	-.038	-.141	-.137	-.132
2.51	.946	.006	.006	.009	.015	.012	.015	.060	.057	.056	-.125	-.125	-.125
1.74	.964	.024	.024	.024	.032	.032	.032	.097	.095	.096	-.089	-.089	-.089
.17	.996	-.005	-.001	.001	.014	.015	.017	.104	.104	.104	.001	.007	.006

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(j) Afterbody IX - Continued

 $\alpha_j = 800^\circ F$

$\frac{x}{L}$	$\frac{x}{L_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,j}/P_\infty = 1.96$			$P_{c,j}/P_\infty = 2.07$			$P_{c,j}/P_\infty = 1.99$			$P_{c,j}/P_\infty = 1.99$		
16.95	0.604	-0.119	-----	-0.226	-0.165	-----	-0.326	-0.092	-----	-0.256	0.041	-----	-0.120
15.22	.644	-.121	-0.179	-.157	-.204	-0.229	-.249	-.208	-0.250	-.294	-.073	-0.111	-.146
13.51	.684	-.076	-.060	-.016	-.084	-.065	-.017	-.262	-.250	-.159	-.138	-.142	-.094
11.80	.724	-.050	-.045	-.024	-.059	-.040	-.020	-.211	-.187	-.160	-.154	-.099	-.070
10.09	.764	-.020	-.041	-.035	-.049	-.039	-.024	-.175	-.165	-.157	-.166	-.059	-.084
8.38	.804	-.050	-.042	-.040	-.053	-.044	-.041	-.166	-.156	-.151	-.180	-.103	-.104
6.67	.844	-----	-.046	-----	-----	-.049	-----	-.170	-----	-----	-----	-.136	-----
4.96	.884	-----	-.030	-.089	-----	-.032	-.031	-----	-.168	-.166	-----	-.142	-.141
3.25	.924	-.009	-.006	-.009	-.007	-.004	-.008	-.041	-.034	-.034	-.142	-.137	-.142
1.54	.964	.012	.011	.015	.017	.016	.018	.062	.060	.060	-.124	-.124	-.121
.17	.996	.021	.021	.031	.039	.038	.038	.101	.100	.099	-.083	-.083	-.082
		.024	.024	.025	.037	.037	.037	.124	.123	.123	-.092	-.093	-.091
		$P_{c,j}/P_\infty = 2.96$			$P_{c,j}/P_\infty = 2.96$			$P_{c,j}/P_\infty = 2.97$			$P_{c,j}/P_\infty = 2.99$		
16.95	.604	-.120	-----	-.227	-.167	-----	-.329	-.091	-----	-.256	.041	-----	-.122
15.22	.644	-.121	-.139	-.158	-.204	-.229	-.249	-.207	-.249	-.294	-.074	-.112	-.149
13.51	.684	-.077	-.060	-.018	-.094	-.065	-.018	-.262	-.250	-.159	-.138	-.144	-.095
11.80	.724	-.062	-.044	-.026	-.060	-.041	-.022	-.211	-.187	-.160	-.155	-.100	-.070
10.09	.764	-.051	-.042	-.035	-.050	-.040	-.035	-.172	-.165	-.160	-.169	-.100	-.094
8.38	.804	-.051	-.045	-.041	-.054	-.045	-.042	-.166	-.156	-.152	-.180	-.109	-.106
6.67	.844	-----	-.047	-----	-----	-.050	-----	-.170	-----	-----	-.137	-----	-----
4.96	.884	-----	-.035	-.051	-----	-.034	-.035	-----	-.168	-.166	-----	-.145	-.141
3.25	.924	-.011	-.008	-.012	-.009	-.006	-.010	-.049	-.041	-.041	-.143	-.139	-.142
1.54	.964	.009	.009	.011	.015	.014	.015	.059	.057	.057	-.126	-.125	-.122
.17	.996	.026	.026	.029	.036	.035	.039	.099	.096	.096	-.087	-.086	-.085
		.012	.013	.015	.027	.026	.030	.114	.112	.113	.054	.056	.054
		$P_{c,j}/P_\infty = 3.05$			$P_{c,j}/P_\infty = 3.05$			$P_{c,j}/P_\infty = 3.05$			$P_{c,j}/P_\infty = 3.05$		
16.95	.604	-----	-----	-----	-----	-----	-----	-.092	-----	-.257	.042	-----	-.121
15.22	.644	-----	-----	-----	-----	-----	-----	-.208	-.250	-.294	-.075	-.112	-.149
13.51	.684	-----	-----	-----	-----	-----	-----	-.265	-.250	-.159	-.138	-.145	-.095
11.80	.724	-----	-----	-----	-----	-----	-----	-.211	-.187	-.160	-.155	-.100	-.071
10.09	.764	-----	-----	-----	-----	-----	-----	-.172	-.165	-.157	-.167	-.100	-.095
8.38	.804	-----	-----	-----	-----	-----	-----	-.166	-.156	-.151	-.180	-.108	-.105
6.67	.844	-----	-----	-----	-----	-----	-----	-----	-.169	-----	-----	-.136	-----
4.96	.884	-----	-----	-----	-----	-----	-----	-----	-.167	-.164	-----	-.141	-.140
3.25	.924	-----	-----	-----	-----	-----	-----	-.025	-.019	-.019	-.141	-.137	-.142
1.54	.964	-----	-----	-----	-----	-----	-----	.070	.067	.068	-.125	-.123	-.122
.17	.996	-----	-----	-----	-----	-----	-----	.108	.107	.107	-.083	-.082	-.082
		-----	-----	-----	-----	-----	-----	.133	.133	.133	.059	.059	.059

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TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(j) Afterbody IX - Concluded

 $\tau_j = 1,200^\circ F$

$\frac{x}{d_j}$	$\frac{y}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.07$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.01$		
16.95	.604	-0.119	-----	-0.226	-0.167	-----	-0.350	-0.091	-----	-0.226	0.099	-----	-0.127
15.22	.644	-.121	-.134	-.156	-.215	-.242	-.262	-.206	-.230	-.259	-.071	-.117	-.142
13.51	.684	-.077	-.059	-.017	-.029	-.004	-.018	-.268	-.250	-.159	-.135	-.136	-.021
11.80	.724	-.061	-.044	-.026	-.060	-.041	-.040	-.211	-.187	-.159	-.131	-.097	-.070
10.09	.764	-.051	-.042	-.034	-.051	-.038	-.038	-.172	-.156	-.137	-.106	-.097	-.088
8.38	.804	-.052	-.044	-.041	-.054	-.045	-.042	-.165	-.156	-.138	-.118	-.105	-.105
6.67	.844	-----	-.046	-----	-----	-.051	-----	-----	-.170	-----	-----	-.136	-----
4.96	.884	-----	-.032	-.030	-----	-.035	-.052	-----	-.168	-----	-----	-.142	-.141
3.25	.924	-.010	-.007	-.010	-.008	-.005	-.008	-.056	-.030	-.029	-.142	-.137	-.142
2.51	.946	.011	.010	.012	.017	.016	.016	.064	.062	.062	-.125	-.124	-.128
1.74	.964	.031	.030	.030	.039	.038	.039	.105	.101	.101	-.084	-.084	-.083
.17	.996	.086	.085	.087	.045	.041	.045	.127	.125	.125	.055	.055	.055
		$P_{t,j}/P_\infty = 2.97$			$P_{t,j}/P_\infty = 3.05$			$P_{t,j}/P_\infty = 2.96$			$P_{t,j}/P_\infty = 2.99$		
16.95	.604	-.120	-----	-.226	-.166	-----	-.350	-.090	-----	-.256	.096	-----	-.128
15.22	.644	-.121	-.139	-.159	-.212	-.238	-.259	-.206	-.249	-.254	-.072	-.107	-.142
13.51	.684	-.077	-.060	-.017	-.083	-.065	-.065	-.262	-.249	-.159	-.135	-.137	-.021
11.80	.724	-.061	-.044	-.026	-.060	-.040	-.040	-.212	-.187	-.159	-.132	-.098	-.069
10.09	.764	-.051	-.042	-.034	-.059	-.039	-.031	-.172	-.166	-.137	-.106	-.097	-.088
8.38	.804	-.052	-.044	-.041	-.053	-.045	-.042	-.166	-.156	-.135	-.118	-.105	-.105
6.67	.844	-----	-.046	-----	-----	-.050	-----	-----	-.170	-----	-----	-.135	-----
4.96	.884	-----	-.031	-.031	-----	-.033	-.051	-----	-.169	-.166	-----	-.142	-.140
3.25	.924	-.010	-.007	-.010	-.007	-.004	-.007	-.055	-.044	-.044	-.142	-.139	-.142
2.51	.946	.011	.010	.013	.018	.016	.016	.079	.077	.077	-.124	-.124	-.128
1.74	.964	.030	.029	.031	.039	.038	.039	.100	.097	.098	-.086	-.087	-.087
.17	.996	.016	.017	.020	.035	.034	.037	.119	.117	.119	.055	.055	.055
								$P_{t,j}/P_\infty = 4.96$			$P_{t,j}/P_\infty = 4.96$		
16.95	.604							-.090	-----	-.256	.041	-----	-.126
15.22	.644							-.206	-.249	-.254	-.073	-.111	-.147
13.51	.684							-.261	-.249	-.159	-.137	-.142	-.022
11.80	.724							-.212	-.188	-.159	-.134	-.100	-.078
10.09	.764							-.172	-.166	-.139	-.108	-.098	-.089
8.38	.804							-.166	-.156	-.132	-.108	-.109	-.106
6.67	.844							-----	-.171	-----	-----	-.137	-----
4.96	.884							-----	-.169	-.166	-----	-.143	-.141
3.25	.924							-.056	-.048	-.048	-.144	-.140	-.142
2.51	.946							.069	.057	.066	-.125	-.125	-.125
1.74	.964							.110	.108	.109	-.089	-.084	-.084
.17	.996							.140	.140	.141	.061	.059	.059

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(k) Afterbody X

 $t_j = \text{Gold}$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 0.94$			$P_{t,j}/P_\infty = 0.92$			$P_{t,j}/P_\infty = 0.88$			$P_{t,j}/P_\infty = 0.80$		
12.01	.719	-.017	-.011	-.001	-.008	-.002	0.009	-.012	-.005	-.005	-.005	-.006	-.008
10.39	.757	-.018	-.014	-.007	-.007	-.005	.001	-.012	-.005	-.007	-.006	-.005	-.008
8.76	.795	-.018	-.011	-.014	-.011	-.004	-.007	-.010	-.004	-.008	-.005	-.006	-.001
7.18	.832	-.019	-.017	-.017	-.012	-.011	-.010	-.013	-.019	-.016	-.004	-.005	-.003
5.56	.870	-.020	-.021	-.022	-.019	-.016	-.016	-.022	-.025	-.023	-.003	-.004	-.000
3.93	.908	-.021	-.026	-.026	-.027	-.022	-.022	-.042	-.046	-.047	-.049	-.041	-.037
2.30	.945	-.024	-.043	-.043	-.042	-.039	-.039	-.052	-.059	-.054	-.110	-.092	-.081
1.54	.984	-.023	-.058	-.056	-.050	-.055	-.053	-.022	-.019	-.020	-.095	-.088	-.084
.73	.983	-.076	-.071	-.073	-.070	-.072	-.072	-.013	-.007	-.006	-.044	-.051	-.051
.30	.993	-.092	-.092	-.087	-.094	-.095	-.089	-.049	-.049	-.059	-.002	-.005	-.016
.17	.996	-.108	-.108	-.102	-.113	-.115	-.108	-.087	-.085	-.075	-.044	-.041	-.024
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.02$		
12.01	.719	-.012	-.006	.004	-.007	-.001	.011	-.038	-.005	-.005	-.038	-.024	-.046
10.39	.757	-.010	-.008	-.005	-.005	-.003	.002	-.078	-.077	-.074	-.060	-.056	-.053
8.76	.795	-.014	-.008	-.010	-.009	-.004	-.006	-.065	-.056	-.060	-.050	-.058	-.062
7.18	.832	-.019	-.014	-.013	-.012	-.011	-.010	-.044	-.034	-.034	-.052	-.052	-.052
5.56	.870	-.025	-.019	-.018	-.019	-.015	-.015	-.059	-.041	-.040	-.024	-.048	-.048
3.93	.908	-.031	-.026	-.025	-.028	-.023	-.023	-.044	-.034	-.048	-.037	-.024	-.015
2.30	.945	-.048	-.045	-.045	-.045	-.045	-.045	-.031	-.034	-.034	-.104	-.096	-.088
1.54	.984	-.060	-.064	-.062	-.057	-.062	-.062	-.021	-.017	-.024	-.070	-.070	-.070
.73	.983	-.098	-.089	-.087	-.091	-.098	-.087	-.016	-.012	-.010	-.049	-.054	-.056
.30	.993	-.119	-.119	-.112	-.121	-.113	-.100	-.059	-.049	-.049	-.008	-.007	-.003
.17	.996	-.143	-.143	-.135	-.149	-.149	-.139	-.106	-.106	-.091	-.055	-.055	-.036
		$P_{t,j}/P_\infty = 3.06$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 3.02$			$P_{t,j}/P_\infty = 3.01$		
12.01	.719	-.011	-.005	.005	-.007	-.001	.009	-.100	-.034	-.034	-.058	-.034	-.046
10.39	.757	-.009	-.006	-.003	-.005	-.003	.001	-.080	-.078	-.075	-.061	-.056	-.054
8.76	.795	-.012	-.007	-.010	-.009	-.004	-.006	-.066	-.059	-.065	-.049	-.058	-.065
7.18	.832	-.015	-.012	-.012	-.013	-.011	-.011	-.002	-.001	-.000	-.024	-.025	-.028
5.56	.870	-.022	-.018	-.018	-.020	-.016	-.017	-.027	-.040	-.039	-.022	-.048	-.049
3.93	.908	-.031	-.026	-.026	-.029	-.024	-.024	-.047	-.047	-.047	-.037	-.032	-.015
2.30	.945	-.050	-.046	-.047	-.048	-.044	-.045	-.030	-.034	-.033	-.104	-.096	-.088
1.54	.984	-.063	-.067	-.065	-.060	-.069	-.063	-.020	-.016	-.017	-.075	-.069	-.069
.73	.983	-.097	-.093	-.092	-.096	-.092	-.091	-.018	-.014	-.012	-.029	-.033	-.036
.30	.993	-.127	-.126	-.118	-.128	-.127	-.120	-.064	-.063	-.052	-.009	-.009	-.005
.17	.996	-.152	-.151	-.142	-.158	-.158	-.148	-.112	-.112	-.096	-.057	-.056	-.057
		$P_{t,j}/P_\infty = 4.95$			$P_{t,j}/P_\infty = 4.98$			$P_{t,j}/P_\infty = 5.00$			$P_{t,j}/P_\infty = 5.02$		
12.01	.719	-.012	-.007	.003	-.006	-.001	.011	-.099	-.035	-.034	-.059	-.034	-.047
10.39	.757	-.011	-.009	-.005	-.004	-.002	.002	-.080	-.080	-.076	-.061	-.057	-.054
8.76	.795	-.015	-.009	-.012	-.009	-.004	-.006	-.066	-.059	-.064	-.056	-.058	-.052
7.18	.832	-.017	-.016	-.015	-.012	-.011	-.010	-.006	-.004	-.003	-.022	-.023	-.023
5.56	.870	-.025	-.021	-.021	-.020	-.016	-.016	-.036	-.039	-.038	-.024	-.049	-.049
3.93	.908	-.034	-.030	-.029	-.030	-.025	-.024	-.043	-.047	-.047	-.031	-.016	-.005
2.30	.945	-.055	-.053	-.053	-.050	-.046	-.047	-.030	-.034	-.033	-.099	-.094	-.087
1.54	.984	-.069	-.074	-.075	-.064	-.068	-.067	-.020	-.017	-.017	-.068	-.065	-.060
.73	.983	-.109	-.106	-.109	-.104	-.100	-.098	-.020	-.015	-.015	-.024	-.029	-.032
.30	.993	-.145	-.144	-.138	-.143	-.140	-.135	-.069	-.067	-.056	-.013	-.011	-.002
.17	.996	-.176	-.176	-.168	-.178	-.176	-.167	-.121	-.122	-.105	-.060	-.060	-.041
		$P_{t,j}/P_\infty = 5.28 \text{ (max.)}$			$P_{t,j}/P_\infty = 6.26 \text{ (max.)}$			$P_{t,j}/P_\infty = 6.93$			$P_{t,j}/P_\infty = 7.05$		
12.01	.719	-.012	-.007	.005	-.007	-.000	.010	-.099	-.035	-.034	-.057	-.035	-.045
10.39	.757	-.011	-.008	-.005	-.005	-.003	.001	-.079	-.078	-.075	-.061	-.056	-.053
8.76	.795	-.015	-.009	-.011	-.010	-.005	-.007	-.066	-.059	-.065	-.055	-.058	-.052
7.18	.832	-.018	-.016	-.015	-.013	-.012	-.012	-.002	-.002	-.001	-.031	-.021	-.021
5.56	.870	-.025	-.020	-.021	-.021	-.018	-.017	-.040	-.040	-.038	-.023	-.047	-.047
3.93	.908	-.034	-.030	-.029	-.031	-.026	-.026	-.043	-.047	-.047	-.032	-.016	-.006
2.30	.945	-.055	-.053	-.053	-.053	-.049	-.050	-.030	-.033	-.033	-.102	-.095	-.086
1.54	.984	-.072	-.076	-.074	-.067	-.072	-.071	-.019	-.015	-.017	-.073	-.069	-.068
.73	.983	-.115	-.110	-.109	-.110	-.106	-.105	-.021	-.017	-.019	-.028	-.033	-.030
.30	.993	-.152	-.150	-.145	-.153	-.151	-.145	-.074	-.075	-.060	-.010	-.009	-.004
.17	.996	-.184	-.182	-.176	-.193	-.190	-.185	-.132	-.132	-.113	-.058	-.058	-.058
											$P_{t,j}/P_\infty = 7.96 \text{ (max.)}$		
12.01	.719										-.057	-.033	-.044
10.39	.757										-.050	-.036	-.033
8.76	.795										-.056	-.059	-.054
7.18	.832										-.054	-.054	-.054
5.56	.870										-.055	-.049	-.050
3.93	.908										-.044	-.033	-.034
2.30	.945										-.108	-.097	-.087
1.54	.984										-.080	-.074	-.072
.73	.983										-.032	-.037	-.036
.30	.993										-.008	-.007	-.006
.17	.996										-.027	-.027	-.028

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(X) Afterbody X - Continued

 $t_j = 800^\circ \text{F}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 2.01$			$P_{t,j}/P_\infty = 2.02$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 1.99$		
12.01	0.719	-0.011	-0.005	0.005	-0.005	0.000	0.012	-0.101	-0.094	-0.084	-0.054	-0.053	-0.043
10.39	0.757	-0.009	-0.007	-0.002	-0.004	-0.002	0.003	-0.080	-0.080	-0.076	-0.050	-0.050	-0.035
8.76	0.795	-0.012	-0.007	-0.010	-0.008	-0.002	-0.002	-0.069	-0.061	-0.066	-0.046	-0.046	-0.035
7.18	0.832	-0.014	-0.012	-0.011	-0.011	-0.009	-0.009	-0.016	-0.013	-0.010	-0.004	-0.002	-0.003
5.56	0.870	-0.021	-0.017	-0.017	-0.018	-0.014	-0.014	0.004	0.007	0.006	-0.003	-0.004	-0.009
3.93	0.908	-0.029	-0.024	-0.023	-0.025	-0.021	-0.021	0.042	0.046	0.047	-0.007	-0.005	-0.027
2.30	0.945	-0.046	-0.042	-0.042	-0.043	-0.040	-0.040	0.051	0.051	0.050	-0.017	-0.016	-0.021
1.54	0.964	-0.056	-0.051	-0.051	-0.053	-0.048	-0.048	0.022	0.018	0.020	0.006	0.009	-0.007
0.73	0.983	-0.066	-0.062	-0.061	-0.063	-0.051	-0.050	-0.015	-0.010	-0.008	0.006	0.005	0.002
0.30	0.993	-0.109	-0.109	-0.101	-0.112	-0.112	-0.104	-0.056	-0.053	-0.045	0.004	0.001	0.018
0.17	0.996	-0.132	-0.131	-0.122	-0.138	-0.137	-0.128	-0.099	-0.092	-0.080	-0.041	-0.045	-0.029
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		$P_{t,j}/P_\infty = 3.01$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.98$		
12.01	0.719	-0.013	-0.008	0.003	-0.007	-0.001	0.010	-0.103	-0.097	-0.087	-0.057	-0.056	-0.047
10.39	0.757	-0.011	-0.009	-0.005	-0.006	-0.003	0.001	-0.083	-0.082	-0.079	-0.060	-0.060	-0.046
8.76	0.795	-0.015	-0.010	-0.012	-0.009	-0.005	-0.007	-0.071	-0.063	-0.067	-0.047	-0.047	-0.037
7.18	0.832	-0.016	-0.015	-0.014	-0.012	-0.010	-0.010	-0.011	-0.008	-0.007	-0.004	-0.004	-0.009
5.56	0.870	-0.023	-0.020	-0.020	-0.019	-0.016	-0.016	0.004	0.005	0.005	-0.004	-0.004	-0.001
3.93	0.908	-0.032	-0.027	-0.026	-0.028	-0.023	-0.023	0.040	0.045	0.045	-0.006	-0.002	-0.022
2.30	0.945	-0.050	-0.046	-0.046	-0.045	-0.043	-0.043	0.029	0.032	0.032	-0.013	-0.011	-0.009
1.54	0.964	-0.061	-0.050	-0.053	-0.058	-0.048	-0.041	0.019	0.015	0.016	0.000	0.004	0.002
0.73	0.983	-0.093	-0.090	-0.089	-0.091	-0.081	-0.081	-0.018	-0.012	-0.009	0.004	0.007	0.007
0.30	0.993	-0.119	-0.119	-0.119	-0.123	-0.119	-0.113	-0.063	-0.052	-0.051	-0.001	-0.002	0.007
0.17	0.996	-0.143	-0.142	-0.136	-0.149	-0.148	-0.139	-0.109	-0.108	-0.094	-0.043	-0.049	-0.034
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		$P_{t,j}/P_\infty = 3.02$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 5.01$		
12.01	0.719	-0.013	-0.009	0.008	-0.008	-0.001	0.009	-0.102	-0.095	-0.085	-0.055	-0.053	-0.044
10.39	0.757	-0.012	-0.010	-0.005	-0.007	-0.004	0.001	-0.081	-0.081	-0.077	-0.058	-0.058	-0.044
8.76	0.795	-0.015	-0.011	-0.012	-0.011	-0.009	-0.007	-0.068	-0.061	-0.060	-0.040	-0.040	-0.030
7.18	0.832	-0.018	-0.016	-0.016	-0.014	-0.012	-0.011	-0.008	-0.006	-0.004	-0.004	-0.002	-0.004
5.56	0.870	-0.025	-0.021	-0.021	-0.022	-0.017	-0.017	0.034	0.037	0.037	-0.003	-0.003	-0.009
3.93	0.908	-0.035	-0.029	-0.029	-0.031	-0.025	-0.025	0.041	0.045	0.046	-0.007	-0.006	-0.022
2.30	0.945	-0.054	-0.051	-0.051	-0.050	-0.046	-0.046	0.030	0.035	0.035	-0.005	-0.005	-0.002
1.54	0.964	-0.069	-0.073	-0.071	-0.063	-0.067	-0.066	0.019	0.015	0.017	0.007	0.000	0.007
0.73	0.983	-0.106	-0.105	-0.102	-0.101	-0.097	-0.097	-0.021	-0.016	-0.013	0.000	0.005	0.005
0.30	0.993	-0.138	-0.138	-0.135	-0.137	-0.139	-0.129	-0.066	-0.067	-0.055	-0.003	0.001	0.010
0.17	0.996	-0.167	-0.166	-0.160	-0.170	-0.168	-0.160	-0.120	-0.113	-0.104	-0.043	-0.047	-0.031
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		$P_{t,j}/P_\infty = 7.01$			$P_{t,j}/P_\infty = 7.00$			$P_{t,j}/P_\infty = 6.97$			$P_{t,j}/P_\infty = 6.99$		
12.01	0.719	-0.017	-0.012	-0.001	-0.008	-0.002	0.009	-0.102	-0.095	-0.086	-0.054	-0.054	-0.044
10.39	0.757	-0.015	-0.014	-0.009	-0.007	-0.004	0.000	-0.082	-0.081	-0.077	-0.058	-0.058	-0.044
8.76	0.795	-0.019	-0.015	-0.015	-0.011	-0.005	-0.008	-0.069	-0.062	-0.066	-0.046	-0.046	-0.034
7.18	0.832	-0.022	-0.021	-0.019	-0.014	-0.013	-0.011	-0.011	-0.009	-0.006	-0.004	-0.003	-0.004
5.56	0.870	-0.030	-0.026	-0.026	-0.022	-0.018	-0.019	0.024	0.027	0.026	-0.005	-0.005	-0.009
3.93	0.908	-0.040	-0.036	-0.035	-0.032	-0.027	-0.026	0.042	0.045	0.046	-0.007	-0.004	-0.026
2.30	0.945	-0.063	-0.060	-0.060	-0.054	-0.049	-0.050	0.030	0.033	0.032	-0.018	-0.018	-0.001
1.54	0.964	-0.080	-0.085	-0.082	-0.068	-0.075	-0.071	0.018	0.015	0.016	0.009	0.008	0.004
0.73	0.983	-0.120	-0.122	-0.120	-0.111	-0.107	-0.106	-0.023	-0.018	-0.015	0.006	0.005	0.001
0.30	0.993	-0.167	-0.165	-0.161	-0.155	-0.152	-0.146	-0.073	-0.072	-0.060	0.003	0.000	0.009
0.17	0.996	-0.205	-0.200	-0.197	-0.195	-0.192	-0.189	-0.131	-0.130	-0.112	-0.044	-0.050	-0.034
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		$P_{t,j}/P_\infty = 8.94$			$P_{t,j}/P_\infty = 9.00$			$P_{t,j}/P_\infty = 9.03$			$P_{t,j}/P_\infty = 9.00$		
12.01	0.719	-0.014	-0.008	0.003	-0.005	-0.000	0.011	-0.101	-0.095	-0.085	-0.051	-0.049	-0.041
10.39	0.757	-0.011	-0.010	-0.005	-0.004	-0.003	0.002	-0.081	-0.080	-0.076	-0.056	-0.056	-0.042
8.76	0.795	-0.015	-0.010	-0.012	-0.009	-0.004	-0.006	-0.067	-0.060	-0.063	-0.043	-0.043	-0.033
7.18	0.832	-0.018	-0.017	-0.015	-0.012	-0.010	-0.010	-0.001	0.001	0.001	-0.004	-0.001	-0.003
5.56	0.870	-0.026	-0.023	-0.023	-0.021	-0.017	-0.018	0.025	0.029	0.028	-0.002	-0.002	-0.008
3.93	0.908	-0.037	-0.035	-0.032	-0.031	-0.027	-0.026	0.041	0.046	0.046	-0.005	-0.005	-0.009
2.30	0.945	-0.065	-0.060	-0.060	-0.053	-0.049	-0.051	0.022	0.022	0.022	-0.012	-0.012	-0.006
1.54	0.964	-0.084	-0.087	-0.085	-0.070	-0.075	-0.073	0.018	0.014	0.016	0.004	0.008	0.003
0.73	0.983	-0.136	-0.132	-0.130	-0.117	-0.113	-0.112	-0.024	-0.020	-0.017	0.005	0.004	0.009
0.30	0.993	-0.188	-0.187	-0.182	-0.168	-0.166	-0.158	-0.078	-0.076	-0.063	0.006	0.005	0.015
0.17	0.996	-0.232	-0.230	-0.225	-0.217	-0.215	-0.206	-0.156	-0.153	-0.148	-0.040	-0.045	-0.028
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								$P_{t,j}/P_\infty = 11.02$			$P_{t,j}/P_\infty = 10.99$		
12.01	0.719							-0.100	-0.094	-0.084	-0.053	-0.052	-0.043
10.39	0.757							-0.080	-0.079	-0.076	-0.058	-0.061	-0.045
8.76	0.795							-0.067	-0.059	-0.063	-0.040	-0.049	-0.035
7.18	0.832							-0.002	-0.001	0.001	-0.006	-0.004	-0.006
5.56	0.870							0.016	0.016	0.016	0.003	0.003	0.001
3.93	0.908							0.042	0.047	0.047	-0.000	-0.002	-0.003
2.30	0.945							0.029	0.033	0.032	-0.010	-0.010	0.007
1.54	0.964							0.018	0.024	0.026	0.001	0.003	0.000
0.73	0.983							-0.024	-0.020	-0.016	0.005	0.005	0.005
0.30	0.993							-0.078	-0.077	-0.063	0.009	0.009	0.012
0.17	0.996							-0.140	-0.141	-0.119	-0.043	-0.048	-0.031

CONFIDENTIAL

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(k) Afterbody X - Continued

 $t_2 = 1,200^\circ \text{F}$

$\frac{x}{d}$		$\frac{x}{x_{max}}$		Pressure coefficients for -											
				$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,2}/P_\infty = 1.99$			$P_{t,2}/P_\infty = 1.99$			$P_{t,2}/P_\infty = 2.00$			$P_{t,2}/P_\infty = 2.01$		
12.01	.719	-0.009	-0.005	0.006	-0.005	0.002	0.013	-0.000	-0.096	-0.098	-0.049	-0.045	-0.037		
10.39	.757	-0.009	-0.007	-0.008	-0.003	-0.001	0.004	-0.081	-0.081	-0.076	-0.059	-0.052	-0.046		
8.76	.795	-0.012	-0.006	-0.005	-0.005	-0.001	-0.003	-0.071	-0.064	-0.068	-0.063	-0.056	-0.051		
7.18	.832	-0.015	-0.015	-0.011	-0.010	-0.006	-0.006	-0.067	-0.063	-0.061	-0.055	-0.053	-0.053		
5.56	.870	-0.020	-0.016	-0.015	-0.017	-0.015	-0.015	-0.052	-0.052	-0.052	-0.053	-0.049	-0.049		
3.93	.908	-0.029	-0.023	-0.023	-0.029	-0.020	-0.019	-0.045	-0.046	-0.046	-0.050	-0.044	-0.041		
2.35	.945	-0.041	-0.041	-0.041	-0.042	-0.039	-0.039	-0.032	-0.039	-0.039	-0.056	-0.051	-0.050		
1.54	.964	-0.054	-0.054	-0.056	-0.052	-0.056	-0.054	-0.022	-0.020	-0.021	-0.022	-0.022	-0.022		
.73	.983	-0.083	-0.079	-0.079	-0.083	-0.078	-0.078	-0.014	-0.006	-0.007	-0.051	-0.057	-0.057		
.50	.993	-0.107	-0.107	-0.100	-0.108	-0.109	-0.101	-0.006	-0.003	-0.004	-0.006	-0.009	-0.021		
.17	.996	-0.127	-0.129	-0.121	-0.135	-0.135	-0.125	-0.037	-0.056	-0.084	-0.043	-0.042	-0.023		
<hr/>															
$\frac{x}{d}$		$\frac{x}{x_{max}}$		$P_{t,2}/P_\infty = 3.00$			$P_{t,2}/P_\infty = 2.99$			$P_{t,2}/P_\infty = 3.02$			$P_{t,2}/P_\infty = 2.99$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,2}/P_\infty = 3.00$			$P_{t,2}/P_\infty = 2.99$			$P_{t,2}/P_\infty = 3.02$			$P_{t,2}/P_\infty = 2.99$		
				$P_{t,2}/P_\infty = 3.00$			$P_{t,2}/P_\infty = 2.99$			$P_{t,2}/P_\infty = 3.02$			$P_{t,2}/P_\infty = 2.99$		
12.01	.719	-0.010	-0.005	0.004	-0.004	0.001	0.012	-0.099	-0.074	-0.084	-0.052	-0.048	-0.040		
10.39	.757	-0.009	-0.006	-0.005	-0.003	-0.002	0.003	-0.090	-0.080	-0.076	-0.056	-0.055	-0.049		
8.76	.795	-0.011	-0.006	-0.009	-0.005	-0.003	-0.003	-0.087	-0.079	-0.085	-0.064	-0.058	-0.053		
7.18	.832	-0.013	-0.012	-0.011	-0.010	-0.009	-0.008	-0.081	-0.073	-0.080	-0.074	-0.064	-0.054		
5.56	.870	-0.021	-0.016	-0.017	-0.019	-0.014	-0.015	-0.065	-0.060	-0.058	-0.053	-0.050	-0.051		
3.93	.908	-0.029	-0.023	-0.024	-0.027	-0.022	-0.022	-0.046	-0.047	-0.049	-0.042	-0.042	-0.038		
2.35	.945	-0.046	-0.044	-0.045	-0.044	-0.042	-0.041	-0.031	-0.034	-0.034	-0.039	-0.032	-0.030		
1.54	.964	-0.068	-0.064	-0.064	-0.062	-0.061	-0.059	-0.020	-0.017	-0.018	-0.022	-0.022	-0.021		
.73	.983	-0.092	-0.089	-0.089	-0.090	-0.084	-0.084	-0.017	-0.013	-0.013	-0.042	-0.048	-0.048		
.50	.993	-0.116	-0.116	-0.108	-0.119	-0.119	-0.109	-0.061	-0.062	-0.050	-0.021	-0.021	-0.013		
.17	.996	-0.140	-0.139	-0.129	-0.146	-0.144	-0.135	-0.106	-0.106	-0.092	-0.051	-0.049	-0.031		
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$\frac{x}{d}$		$\frac{x}{x_{max}}$		$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 4.99$			$P_{t,2}/P_\infty = 4.98$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 4.99$			$P_{t,2}/P_\infty = 4.98$		
				$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 4.98$			$P_{t,2}/P_\infty = 4.99$			$P_{t,2}/P_\infty = 4.98$		
12.01	.719	-0.008	-0.002	0.006	-0.005	0.000	0.012	-0.099	-0.089	-0.083	-0.055	-0.049	-0.041		
10.39	.757	-0.006	-0.004	-0.004	-0.004	-0.002	0.003	-0.078	-0.078	-0.079	-0.058	-0.055	-0.050		
8.76	.795	-0.009	-0.006	-0.009	-0.005	-0.003	-0.003	-0.069	-0.058	-0.062	-0.064	-0.058	-0.053		
7.18	.832	-0.011	-0.010	-0.009	-0.012	-0.009	-0.008	-0.065	-0.061	-0.060	-0.053	-0.054	-0.054		
5.56	.870	-0.019	-0.015	-0.015	-0.020	-0.015	-0.015	-0.057	-0.040	-0.059	-0.053	-0.049	-0.050		
3.93	.908	-0.027	-0.023	-0.023	-0.028	-0.024	-0.023	-0.047	-0.047	-0.047	-0.045	-0.042	-0.034		
2.35	.945	-0.048	-0.045	-0.045	-0.048	-0.045	-0.044	-0.036	-0.035	-0.034	-0.031	-0.029	-0.025		
1.54	.964	-0.062	-0.066	-0.063	-0.062	-0.065	-0.064	-0.021	-0.017	-0.018	-0.027	-0.022	-0.022		
.73	.983	-0.099	-0.095	-0.094	-0.099	-0.094	-0.094	-0.018	-0.014	-0.012	-0.059	-0.045	-0.046		
.50	.993	-0.131	-0.130	-0.125	-0.139	-0.134	-0.134	-0.066	-0.065	-0.054	-0.006	-0.002	-0.010		
.17	.996	-0.160	-0.157	-0.151	-0.168	-0.165	-0.157	-0.117	-0.117	-0.102	-0.055	-0.052	-0.034		
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$\frac{x}{d}$		$\frac{x}{x_{max}}$		$P_{t,2}/P_\infty = 6.91$			$P_{t,2}/P_\infty = 6.92$			$P_{t,2}/P_\infty = 7.01$			$P_{t,2}/P_\infty = 6.98$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,2}/P_\infty = 6.91$			$P_{t,2}/P_\infty = 6.92$			$P_{t,2}/P_\infty = 7.01$			$P_{t,2}/P_\infty = 6.98$		
				$P_{t,2}/P_\infty = 6.91$			$P_{t,2}/P_\infty = 6.92$			$P_{t,2}/P_\infty = 7.01$			$P_{t,2}/P_\infty = 6.98$		
12.01	.719	-0.013	-0.008	0.002	-0.009	0.000	0.011	-0.099	-0.095	-0.089	-0.051	-0.047	-0.039		
10.39	.757	-0.011	-0.009	-0.005	-0.004	-0.002	0.005	-0.078	-0.078	-0.074	-0.056	-0.054	-0.049		
8.76	.795	-0.014	-0.009	-0.012	-0.009	-0.005	-0.005	-0.066	-0.058	-0.062	-0.063	-0.056	-0.051		
7.18	.832	-0.017	-0.016	-0.015	-0.012	-0.010	-0.009	-0.062	-0.060	-0.061	-0.055	-0.052	-0.054		
5.56	.870	-0.025	-0.021	-0.022	-0.020	-0.016	-0.016	-0.057	-0.059	-0.059	-0.053	-0.049	-0.049		
3.93	.908	-0.036	-0.030	-0.031	-0.030	-0.020	-0.020	-0.045	-0.047	-0.047	-0.047	-0.039	-0.039		
2.35	.945	-0.057	-0.050	-0.050	-0.050	-0.047	-0.048	-0.031	-0.034	-0.034	-0.034	-0.024	-0.024		
1.54	.964	-0.074	-0.073	-0.076	-0.065	-0.070	-0.068	-0.020	-0.016	-0.018	-0.059	-0.054	-0.052		
.73	.983	-0.117	-0.114	-0.114	-0.108	-0.105	-0.105	-0.060	-0.046	-0.045	-0.040	-0.046	-0.048		
.50	.993	-0.158	-0.159	-0.154	-0.151	-0.151	-0.143	-0.072	-0.071	-0.060	-0.004	-0.001	-0.012		
.17	.996	-0.195	-0.192	-0.187	-0.191	-0.189	-0.181	-0.128	-0.129	-0.112	-0.054	-0.052	-0.033		
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$\frac{x}{d}$		$\frac{x}{x_{max}}$		$P_{t,2}/P_\infty = 9.01$			$P_{t,2}/P_\infty = 8.99$			$P_{t,2}/P_\infty = 9.99$			$P_{t,2}/P_\infty = 8.96$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,2}/P_\infty = 9.01$			$P_{t,2}/P_\infty = 8.99$			$P_{t,2}/P_\infty = 9.99$			$P_{t,2}/P_\infty = 8.96$		
				$P_{t,2}/P_\infty = 9.01$			$P_{t,2}/P_\infty = 8.99$			$P_{t,2}/P_\infty = 9.99$			$P_{t,2}/P_\infty = 8.96$		
12.01	.719	-0.011	-0.005	0.006	-0.006	0.000	0.011	-0.101	-0.094	-0.089	-0.053	-0.050	-0.042		
10.39	.757	-0.009	-0.006	-0.002	-0.005	0.000	0.002	-0.080	-0.080	-0.076	-0.056	-0.056	-0.051		
8.76	.795	-0.012	-0.007	-0.009	-0.009	-0.005	-0.006	-0.068	-0.061	-0.065	-0.060	-0.058	-0.053		
7.18	.832	-0.015	-0.013	-0.012	-0.012	-0.011	-0.010	-0.053	-0.051	-0.050	-0.054	-0.054	-0.055		
5.56	.870	-0.025	-0.019	-0.019	-0.021	-0.017	-0.018	-0.044	-0.037	-0.036	-0.054	-0.050	-0.051		
3.93	.908	-0.034	-0.030	-0.029	-0.031	-0.027	-0.026	-0.046	-0.046	-0.047	-0.047	-0.039	-0.034		
2.35	.945	-0.059	-0.050	-0.050	-0.053	-0.050	-0.050	-0.030	-0.033	-0.033	-0.030	-	-		
1.54	.964	-0.079	-0.083	-0.081	-0.070	-0.074	-0.073	-0.020	-0.016	-0.017	-0.050	-0.047	-0.045		
.73	.983	-0.130	-0.125	-0.125	-0.117	-0.113	-0.112	-0.061	-0.049	-0.048	-0.004	-0.004	-0.004		
.50	.993	-0.182	-0.182	-0.174	-0.169	-0.169	-0.159	-0.076	-0.075	-0.065	-0.007	-0.004	-0.008		
.17	.996	-0.226	-0.225	-0.217	-0.217	-0.216	-0.200	-0.136	-0.137	-0.117	-0.057	-0.050	-0.057		
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$\frac{x}{d}$		$\frac{x}{x_{max}}$		$P_{t,2}/P_\infty = 11.01$						$P_{t,2}/P_\infty = 10.91$					
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,2}/P_\infty = 11.01$						$P_{t,2}/P_\infty = 10.91$					
				$P_{t,2}/P_\infty = 11.01$						$P_{t,2}/P_\infty = 10.91$					
12.01	.719	-0.101	-0.074	-0.085	-0.054	-0.051	-0.042	-0.101	-0.074	-0.085	-0.054	-0.051	-0.042		
10.39	.757	-0.090	-0.068	-0.076	-0.058	-0.057	-0.046	-0.090	-0.068	-0.076	-0.058	-0.057	-0.046		
8.76	.795	-0.081	-0.060	-0.064	-0.050	-0.049	-0.039	-0.081	-0.060	-0.064	-0.050	-0.049	-0.039		
7.18	.832	-0.069	-0.054	-0.055	-0.043	-0.043	-0.033	-0.069	-0.054	-0.055	-0.043	-0.043	-0.033		
5.56	.870	-0.059	-0.046	-0.047	-0.034	-0.034	-0.024	-0.059	-0.046	-0.047	-0.034	-0.034	-0.024		
3.93	.908	-0.049	-0.038	-0.039	-0.026	-0.026	-0.016	-0.049	-0.038	-0.039	-0.026	-0.026	-0.016		
2.35	.945	-0.039	-0.030	-0.031	-0.019	-0.019	-0.009	-0.039	-0.030	-0.031	-0.019	-0.019	-0.009		
1.54	.964	-0.031	-0.023	-0.024	-0.013	-0.013	-0.003	-0.031	-0.023	-0.024	-0.013	-0.013	-0.003		
.73	.983	-0.023	-0.015	-0.016	-0.007	-0.007	-0.001	-0.023	-0.015	-0.016	-0.007	-0.007	-0.001		
.50	.993	-0.019	-0.011	-0.012	-0.003	-0.003	-0.001	-0.019	-0.011	-0.012	-0.003	-0.003	-0.001		
.17	.996	-0.019	-0.011												

CONFIDENTIAL
EX-100-100-100

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody XI

 $t_j = \text{Gold}$

$\frac{x}{d_j}$		$\frac{x}{l_{max}}$		Pressure coefficients for -											
				$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
12.01	0.719	-----	-0.069	-0.067	-----	-0.068	-0.059	-----	-0.100	-0.096	-----	-0.096	-0.093		
10.59	.757	-0.314	-0.317	-0.299	-0.345	-0.375	-0.355	-0.270	-0.279	-0.261	-0.180	-0.190	-0.170		
8.76	.795	-0.065	-0.065	-0.062	-0.065	-0.065	-0.060	-0.324	-0.310	-0.300	-0.252	-0.250	-0.241		
7.18	.832	-0.010	-0.012	-0.013	-0.008	-0.004	-0.005	-0.217	-0.215	-0.217	-0.189	-0.186	-0.189		
5.56	.870	-0.028	-0.025	-0.025	-0.031	-0.033	-0.032	-0.005	-0.003	-0.004	-0.125	-0.122	-0.121		
5.93	.908	-0.048	-0.042	-0.049	-0.046	-0.051	-0.048	-0.106	-0.106	-0.106	-0.053	-0.040	-0.048		
2.55	.945	-0.051	-0.050	-0.049	-0.060	-0.056	-0.056	-0.134	-0.131	-0.135	-0.099	-0.094	-0.096		
1.54	.964	-0.059	-0.059	-0.060	-0.065	-0.065	-0.066	-0.142	-0.141	-0.145	-0.104	-0.105	-0.105		
.73	.983	-0.059	-0.058	-0.059	-0.065	-0.065	-0.061	-0.142	-0.139	-0.140	-0.081	-0.077	-0.079		
.50	.993	-0.059	-0.054	-0.057	-0.065	-0.060	-0.063	-0.142	-0.138	-0.140	-0.068	-0.061	-0.065		
.17	.996	-0.058	-0.060	-0.053	-0.064	-0.060	-0.060	-0.140	-0.141	-0.136	-0.061	-0.062	-0.056		
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$\frac{x}{d_j}$		$\frac{x}{l_{max}}$		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.11$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.00$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
				$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
12.01	.719	-----	-0.071	-0.067	-----	-0.054	-0.052	-----	-0.098	-0.095	-----	-0.095	-0.093		
10.59	.757	-0.315	-0.318	-0.299	-0.372	-0.376	-0.354	-0.269	-0.278	-0.261	-0.185	-0.188	-0.169		
8.76	.795	-0.067	-0.069	-0.065	-0.067	-0.066	-0.062	-0.313	-0.309	-0.300	-0.201	-0.209	-0.182		
7.18	.832	-0.011	-0.012	-0.014	-0.005	-0.005	-0.007	-0.212	-0.210	-0.214	-0.189	-0.186	-0.188		
5.56	.870	-0.022	-0.025	-0.024	-0.032	-0.032	-0.036	-0.019	-0.020	-0.020	-0.124	-0.121	-0.120		
5.93	.908	-0.049	-0.044	-0.041	-0.060	-0.054	-0.051	-0.115	-0.115	-0.115	-0.096	-0.085	-0.085		
2.55	.945	-0.051	-0.051	-0.051	-0.061	-0.056	-0.056	-0.134	-0.132	-0.134	-0.102	-0.098	-0.098		
1.54	.964	-0.054	-0.052	-0.054	-0.061	-0.056	-0.056	-0.134	-0.132	-0.134	-0.102	-0.098	-0.098		
.73	.983	-0.067	-0.060	-0.063	-0.075	-0.074	-0.074	-0.134	-0.132	-0.134	-0.102	-0.098	-0.098		
.50	.993	-0.065	-0.058	-0.062	-0.079	-0.073	-0.075	-0.160	-0.156	-0.159	-0.099	-0.098	-0.094		
.17	.996	-0.060	-0.058	-0.053	-0.074	-0.073	-0.069	-0.158	-0.157	-0.154	-0.097	-0.095	-0.091		
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$\frac{x}{d_j}$		$\frac{x}{l_{max}}$		$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.99$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
				$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
12.01	.719	-----	-0.069	-0.068	-----	-0.064	-0.059	-----	-0.099	-0.094	-----	-0.092	-0.091		
10.59	.757	-0.314	-0.316	-0.300	-0.344	-0.373	-0.357	-0.265	-0.275	-0.260	-0.185	-0.189	-0.168		
8.76	.795	-0.066	-0.069	-0.061	-0.055	-0.054	-0.055	-0.312	-0.309	-0.299	-0.200	-0.208	-0.181		
7.18	.832	-0.010	-0.010	-0.014	-0.005	-0.005	-0.005	-0.214	-0.212	-0.216	-0.190	-0.187	-0.185		
5.56	.870	-0.025	-0.025	-0.025	-0.034	-0.036	-0.039	-0.010	-0.011	-0.011	-0.125	-0.126	-0.121		
5.93	.908	-0.051	-0.045	-0.048	-0.060	-0.055	-0.052	-0.116	-0.112	-0.112	-0.091	-0.087	-0.089		
2.55	.945	-0.051	-0.051	-0.051	-0.066	-0.065	-0.064	-0.134	-0.132	-0.134	-0.096	-0.092	-0.094		
1.54	.964	-0.054	-0.054	-0.054	-0.076	-0.075	-0.076	-0.134	-0.132	-0.134	-0.102	-0.098	-0.098		
.73	.983	-0.067	-0.060	-0.063	-0.079	-0.073	-0.076	-0.134	-0.132	-0.134	-0.102	-0.098	-0.098		
.50	.993	-0.067	-0.059	-0.062	-0.080	-0.073	-0.077	-0.160	-0.155	-0.158	-0.095	-0.095	-0.095		
.17	.996	-0.059	-0.059	-0.054	-0.076	-0.075	-0.069	-0.157	-0.156	-0.152	-0.100	-0.098	-0.095		
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$\frac{x}{d_j}$		$\frac{x}{l_{max}}$		$P_{t,j}/P_\infty = 5.01$			$P_{t,j}/P_\infty = 5.06$			$P_{t,j}/P_\infty = 4.98$			$P_{t,j}/P_\infty = 4.98$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
				$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
12.01	.719	-----	-0.068	-0.067	-----	-0.061	-0.058	-----	-0.100	-0.097	-----	-0.096	-0.093		
10.59	.757	-0.314	-0.318	-0.299	-0.366	-0.374	-0.353	-0.269	-0.278	-0.261	-0.184	-0.189	-0.167		
8.76	.795	-0.066	-0.069	-0.061	-0.055	-0.054	-0.055	-0.313	-0.309	-0.299	-0.200	-0.208	-0.181		
7.18	.832	-0.010	-0.010	-0.014	-0.000	-0.000	-0.004	-0.214	-0.211	-0.215	-0.189	-0.186	-0.188		
5.56	.870	-0.025	-0.025	-0.025	-0.036	-0.037	-0.036	-0.011	-0.016	-0.015	-0.124	-0.121	-0.120		
5.93	.908	-0.051	-0.045	-0.045	-0.065	-0.057	-0.054	-0.119	-0.115	-0.115	-0.095	-0.082	-0.082		
2.55	.945	-0.051	-0.051	-0.051	-0.072	-0.069	-0.069	-0.148	-0.146	-0.146	-0.107	-0.103	-0.104		
1.54	.964	-0.073	-0.073	-0.072	-0.085	-0.083	-0.085	-0.160	-0.158	-0.160	-0.125	-0.122	-0.123		
.73	.983	-0.065	-0.076	-0.078	-0.097	-0.092	-0.095	-0.170	-0.164	-0.166	-0.124	-0.118	-0.119		
.50	.993	-0.090	-0.084	-0.088	-0.107	-0.100	-0.108	-0.174	-0.169	-0.170	-0.125	-0.123	-0.125		
.17	.996	-0.090	-0.090	-0.084	-0.109	-0.103	-0.101	-0.173	-0.173	-0.168	-0.131	-0.130	-0.125		
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$\frac{x}{d_j}$		$\frac{x}{l_{max}}$		$P_{t,j}/P_\infty = 5.77 \text{ (max.)}$			$P_{t,j}/P_\infty = 6.51 \text{ (max.)}$			$P_{t,j}/P_\infty = 7.08$			$P_{t,j}/P_\infty = 6.99$		
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
				$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.10$			$P_{t,j}/P_\infty = 1.05$		
12.01	.719	-----	-0.068	-0.066	-----	-0.062	-0.060	-----	-0.099	-0.096	-----	-0.095	-0.090		
10.59	.757	-0.314	-0.318	-0.297	-0.367	-0.376	-0.356	-0.269	-0.276	-0.261	-0.184	-0.188	-0.166		
8.76	.795	-0.065	-0.065	-0.061	-0.055	-0.055	-0.054	-0.313	-0.309	-0.299	-0.200	-0.207	-0.180		
7.18	.832	-0.010	-0.009	-0.014	-0.000	-0.001	-0.006	-0.213	-0.210	-0.214	-0.190	-0.187	-0.183		
5.56	.870	-0.025	-0.026	-0.025	-0.036	-0.037	-0.036	-0.011	-0.016	-0.015	-0.124	-0.121	-0.121		
5.93	.908	-0.051	-0.045	-0.045	-0.065	-0.057	-0.054	-0.119	-0.115	-0.115	-0.095	-0.082	-0.082		
2.55	.945	-0.051	-0.050	-0.050	-0.076	-0.072	-0.073	-0.135	-0.131	-0.131	-0.110	-0.105	-0.106		
1.54	.964	-0.076	-0.076	-0.076	-0.092	-0.091	-0.092	-0.150	-0.149	-0.150	-0.124	-0.121	-0.121		
.73	.983	-0.069	-0.069	-0.067	-0.111	-0.106	-0.106	-0.164	-0.160	-0.161	-0.126	-0.122	-0.122		
.50	.993	-0.103	-0.097	-0.100	-0.130	-0.121	-0.124	-0.198	-0.189	-0.198	-0.147	-0.143	-0.143		
.17	.996	-0.107	-0.106	-0.100	-0.136	-0.123	-0.127	-0.196	-0.192	-0.193	-0.179	-0.176	-0.174		
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$\frac{x}{d_j}$		$\frac{x}{l_{max}}$		$P_{t,j}/P_\infty = 8.30 \text{ (max.)}$											
				$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
				$P_{t,j}/P_\infty = 1.05$											
				$P_{t,j}/P_\infty = 1.05$											
12.01	.719	-----	-0.068	-0.066	-----	-0.062	-0.060	-----	-0.099	-0.096	-----	-0.095	-0.090		
10.59	.757	-0.314	-0.318	-0.297	-0.367	-0.376	-0.356	-0.269	-0.276	-0.261	-0.184	-0.188	-0.166		
8.76	.795	-0.065	-0.065	-0.061	-0.055	-0.055	-0.054	-0.313	-0.309	-0.299	-0.200	-0.207	-0.180		
7.18	.832	-0.010	-0.009	-0.014	-0.000	-0.001	-0.006	-0.213	-0.210	-0.214	-0.190	-0.187	-0.183		
5.56	.870	-0.025	-0.026	-0.025	-0.036	-0.037	-0.036	-0.011	-0.016	-0.015	-0.124	-0.121	-0.121		
5.93	.908	-0.051	-0.045	-0.045	-0.065	-0.057	-0.054	-0.119	-0.115	-0.115	-0.095	-0.082	-0.082		
2.55	.945	-0.051	-0.050	-0.050	-0.076	-0.072	-0.073	-0.135	-0.131	-0.131	-0.110	-0.105	-0.106		
1.54	.964	-0.076	-0.076	-0.076	-0.092	-0.091	-0.092	-0.150	-0.149	-0.150	-0.124	-0.121	-0.121		
.73	.983	-0.069	-0.069	-0.067	-0.111	-0.106	-0.106	-0.164	-0.160	-0.161	-0.126	-0.122	-0.122		
.50	.993	-0.103	-0.097	-0.100	-0.130	-0.121	-0.124	-0.198	-0.189	-0.198	-0.147	-0.143	-0.143		
.17	.996	-0.107	-0.106	-0.100	-0.136	-0.123	-0.127	-0.196	-0.192	-0.193	-0.179	-0.176	-0.174		
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$\frac{x}{d_j}$		$\frac{x}{l_{max}}$		$P_{t,j}/P_\infty = 8.30 \text{ (max.)}$											

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody XI - Continued

 $\gamma_1 = 800^\circ \text{ F}$

$\frac{x}{d_j}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 1.97$		
12.01	0.719	-----	-0.068	-0.067	-----	-0.062	-0.059	-----	-0.059	-0.055	-----	-0.054	-0.054
10.39	.757	-0.114	-0.118	-0.101	-0.114	-0.113	-0.106	-0.114	-0.113	-0.106	-0.114	-0.113	-0.106
8.76	.792	-0.065	-0.065	-0.062	-0.065	-0.065	-0.062	-0.065	-0.065	-0.062	-0.065	-0.065	-0.062
7.18	.832	-0.010	-0.009	-0.014	-0.001	-0.001	-0.004	-0.012	-0.010	-0.015	-0.009	-0.006	-0.009
5.56	.870	.020	.026	.020	.036	.036	.036	.015	.015	.015	.014	.012	.012
3.93	.908	.024	.044	.042	.051	.050	.055	.018	.014	.015	.014	.011	.014
2.35	.945	.029	.059	.059	.069	.069	.066	.015	.015	.015	.014	.011	.011
1.74	.984	.034	.069	.068	.078	.077	.078	.016	.016	.016	.015	.012	.012
.73	.983	.074	.069	.070	.059	.058	.059	.015	.015	.015	.014	.011	.011
.30	.993	.077	.070	.072	.069	.068	.068	.017	.015	.015	.017	.012	.014
.17	.996	.074	.072	.068	.067	.066	.061	.017	.015	.016	.017	.010	.010
		$P_{t,j}/P_\infty = 2.99$			$P_{t,j}/P_\infty = 2.99$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.99$		
12.01	.719	-----	-0.068	-0.067	-----	-0.061	-0.059	-----	-0.059	-0.055	-----	-0.054	-0.054
10.39	.757	-0.112	-0.117	-0.099	-0.112	-0.111	-0.104	-0.112	-0.111	-0.104	-0.112	-0.111	-0.104
8.76	.792	-0.060	-0.060	-0.061	-0.054	-0.053	-0.054	-0.053	-0.050	-0.050	-0.049	-0.048	-0.040
7.18	.832	-0.011	-0.011	-0.013	-0.001	-0.001	-0.004	-0.012	-0.011	-0.015	-0.009	-0.006	-0.009
5.56	.870	.020	.026	.020	.036	.036	.036	.015	.015	.015	.014	.012	.012
3.93	.908	.024	.044	.042	.051	.050	.055	.018	.014	.015	.014	.011	.014
2.35	.945	.029	.059	.059	.069	.069	.066	.015	.015	.015	.014	.011	.011
1.74	.984	.034	.068	.067	.078	.077	.078	.016	.016	.016	.015	.012	.012
.73	.983	.073	.067	.068	.065	.065	.069	.015	.015	.015	.014	.011	.011
.30	.993	.075	.067	.070	.067	.066	.062	.015	.016	.016	.016	.010	.010
.17	.996	.068	.068	.062	.065	.062	.078	.016	.016	.016	.015	.010	.010
		$P_{t,j}/P_\infty = 4.98$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 5.00$			$P_{t,j}/P_\infty = 4.98$		
12.01	.719	-----	-0.067	-0.064	-----	-0.061	-0.059	-----	-0.059	-0.055	-----	-0.054	-0.053
10.39	.757	-0.112	-0.114	-0.096	-0.112	-0.111	-0.104	-0.112	-0.111	-0.104	-0.112	-0.111	-0.104
8.76	.792	-0.064	-0.062	-0.058	-0.053	-0.053	-0.052	-0.053	-0.051	-0.050	-0.049	-0.048	-0.041
7.18	.832	-0.008	-0.008	-0.010	-0.000	-0.000	-0.003	-0.013	-0.011	-0.015	-0.009	-0.006	-0.009
5.56	.870	.027	.029	.027	.039	.037	.036	.015	.016	.017	.014	.012	.012
3.93	.908	.025	.048	.046	.062	.062	.054	.018	.016	.014	.015	.011	.011
2.35	.945	.035	.060	.060	.074	.074	.069	.019	.017	.017	.017	.014	.014
1.74	.984	.075	.075	.075	.089	.089	.084	.021	.020	.020	.020	.019	.019
.73	.983	.088	.081	.083	.099	.098	.094	.024	.024	.024	.024	.023	.023
.30	.993	.096	.090	.095	.109	.108	.104	.026	.026	.026	.026	.025	.025
.17	.996	.096	.097	.092	.110	.112	.104	.026	.026	.026	.026	.025	.025
		$P_{t,j}/P_\infty = 6.99$			$P_{t,j}/P_\infty = 6.98$			$P_{t,j}/P_\infty = 6.98$			$P_{t,j}/P_\infty = 6.97$		
12.01	.719	-----	-0.067	-0.064	-----	-0.061	-0.059	-----	-0.059	-0.055	-----	-0.054	-0.053
10.39	.757	-0.110	-0.114	-0.094	-0.104	-0.103	-0.100	-0.110	-0.109	-0.102	-0.109	-0.109	-0.109
8.76	.792	-0.062	-0.062	-0.059	-0.054	-0.054	-0.053	-0.053	-0.051	-0.050	-0.049	-0.048	-0.041
7.18	.832	-0.008	-0.008	-0.012	-0.000	-0.001	-0.003	-0.012	-0.011	-0.015	-0.009	-0.006	-0.009
5.56	.870	.027	.029	.027	.036	.036	.036	.015	.016	.017	.014	.012	.012
3.93	.908	.025	.048	.046	.062	.062	.054	.018	.016	.014	.015	.011	.011
2.35	.945	.035	.060	.060	.074	.074	.069	.019	.017	.017	.017	.014	.014
1.74	.984	.075	.075	.075	.089	.089	.084	.021	.020	.020	.020	.019	.019
.73	.983	.088	.081	.083	.099	.098	.094	.024	.024	.024	.024	.023	.023
.30	.993	.096	.090	.095	.109	.108	.104	.026	.026	.026	.026	.025	.025
.17	.996	.096	.097	.092	.110	.112	.104	.026	.026	.026	.026	.025	.025
		$P_{t,j}/P_\infty = 8.99$			$P_{t,j}/P_\infty = 8.97$			$P_{t,j}/P_\infty = 8.99$			$P_{t,j}/P_\infty = 8.99$		
12.01	.719	-----	-0.068	-0.067	-----	-0.062	-0.060	-----	-0.061	-0.056	-----	-0.055	-0.053
10.39	.757	-0.113	-0.117	-0.097	-0.104	-0.103	-0.100	-0.113	-0.111	-0.102	-0.113	-0.111	-0.102
8.76	.792	-0.065	-0.065	-0.062	-0.055	-0.055	-0.051	-0.055	-0.053	-0.052	-0.051	-0.049	-0.042
7.18	.832	-0.009	-0.009	-0.010	-0.000	-0.000	-0.003	-0.012	-0.011	-0.015	-0.009	-0.006	-0.009
5.56	.870	.029	.029	.029	.038	.038	.039	.015	.015	.015	.014	.012	.012
3.93	.908	.024	.044	.042	.051	.050	.055	.018	.014	.015	.014	.011	.014
2.35	.945	.029	.059	.059	.069	.069	.066	.015	.015	.015	.014	.011	.011
1.74	.984	.034	.069	.068	.078	.077	.078	.016	.016	.016	.015	.012	.012
.73	.983	.075	.075	.075	.089	.089	.084	.021	.020	.020	.020	.019	.019
.30	.993	.088	.081	.083	.099	.098	.094	.024	.024	.024	.024	.023	.023
.17	.996	.096	.097	.092	.110	.112	.104	.026	.026	.026	.026	.025	.025
		$P_{t,j}/P_\infty = 10.97$			$P_{t,j}/P_\infty = 10.97$			$P_{t,j}/P_\infty = 10.97$			$P_{t,j}/P_\infty = 10.97$		
12.01	.719	-----	-0.068	-0.067	-----	-0.062	-0.060	-----	-0.061	-0.056	-----	-0.055	-0.053
10.39	.757	-0.113	-0.117	-0.097	-0.104	-0.103	-0.100	-0.113	-0.111	-0.102	-0.113	-0.111	-0.102
8.76	.792	-0.065	-0.065	-0.062	-0.055	-0.055	-0.051	-0.055	-0.053	-0.052	-0.051	-0.049	-0.042
7.18	.832	-0.009	-0.009	-0.010	-0.000	-0.000	-0.003	-0.012	-0.011	-0.015	-0.009	-0.006	-0.009
5.56	.870	.029	.029	.029	.038	.038	.039	.015	.015	.015	.014	.012	.012
3.93	.908	.024	.044	.042	.051	.050	.055	.018	.014	.015	.014	.011	.014
2.35	.945	.029	.059	.059	.069	.069	.066	.015	.015	.015	.014	.011	.011
1.74	.984	.034	.069	.068	.078	.077	.078	.016	.016	.016	.015	.012	.012
.73	.983	.075	.075	.075	.089	.089	.084	.021	.020	.020	.020	.019	.019
.30	.993	.088	.081	.083	.099	.098	.094	.024	.024	.024	.024	.023	.023
.17	.996	.096	.097	.092	.110	.112	.104	.026	.026	.026	.026	.025	.025

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(1) Afterbody XI - Continued

 $t_j = 1,800^\circ F$

$\frac{x}{L_j}$		Pressure coefficients for -											
		$M_\infty = 0.80$											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 1.98$			$P_{t,j}/P_\infty = 1.98$			$P_{t,j}/P_\infty = 1.99$		
12.01	0.719	-0.009	-0.070	-0.068	-0.009	-0.068	-0.061	-0.108	-0.099	-0.068	-0.099	-0.068	-0.066
10.59	.757	-0.015	-0.078	-0.071	-0.015	-0.077	-0.056	-0.112	-0.100	-0.068	-0.100	-0.068	-0.067
8.76	.795	-0.021	-0.084	-0.076	-0.021	-0.083	-0.052	-0.115	-0.101	-0.070	-0.101	-0.070	-0.069
7.18	.832	-0.027	-0.090	-0.082	-0.027	-0.089	-0.047	-0.118	-0.103	-0.073	-0.103	-0.073	-0.071
5.56	.870	-0.033	-0.096	-0.088	-0.033	-0.095	-0.044	-0.121	-0.105	-0.076	-0.105	-0.076	-0.075
3.93	.908	-0.039	-0.102	-0.094	-0.039	-0.101	-0.040	-0.124	-0.107	-0.079	-0.107	-0.079	-0.078
2.32	.945	-0.045	-0.108	-0.100	-0.045	-0.107	-0.036	-0.127	-0.109	-0.082	-0.109	-0.082	-0.081
1.54	.964	-0.051	-0.114	-0.106	-0.051	-0.113	-0.032	-0.130	-0.111	-0.086	-0.111	-0.086	-0.085
.73	.983	-0.057	-0.120	-0.112	-0.057	-0.119	-0.028	-0.133	-0.113	-0.090	-0.113	-0.090	-0.089
.50	.992	-0.063	-0.126	-0.118	-0.063	-0.125	-0.024	-0.136	-0.115	-0.094	-0.115	-0.094	-0.093
.17	.996	-0.068	-0.132	-0.124	-0.068	-0.131	-0.020	-0.139	-0.119	-0.098	-0.119	-0.098	-0.097
		$P_{t,j}/P_\infty = 2.97$			$P_{t,j}/P_\infty = 2.96$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.96$		
12.01	.719	-0.007	-0.069	-0.068	-0.007	-0.068	-0.060	-0.120	-0.096	-0.068	-0.096	-0.068	-0.066
10.59	.757	-0.013	-0.075	-0.069	-0.013	-0.074	-0.056	-0.123	-0.100	-0.070	-0.100	-0.070	-0.069
8.76	.795	-0.019	-0.081	-0.074	-0.019	-0.080	-0.052	-0.126	-0.103	-0.073	-0.103	-0.073	-0.071
7.18	.832	-0.025	-0.087	-0.080	-0.025	-0.086	-0.048	-0.129	-0.105	-0.076	-0.105	-0.076	-0.075
5.56	.870	-0.031	-0.093	-0.086	-0.031	-0.092	-0.044	-0.132	-0.107	-0.079	-0.107	-0.079	-0.078
3.93	.908	-0.037	-0.099	-0.092	-0.037	-0.098	-0.040	-0.135	-0.109	-0.082	-0.109	-0.082	-0.081
2.32	.945	-0.043	-0.105	-0.098	-0.043	-0.104	-0.036	-0.138	-0.111	-0.085	-0.111	-0.085	-0.084
1.54	.964	-0.049	-0.111	-0.104	-0.049	-0.110	-0.032	-0.141	-0.113	-0.088	-0.113	-0.088	-0.087
.73	.983	-0.055	-0.117	-0.110	-0.055	-0.116	-0.028	-0.144	-0.115	-0.090	-0.115	-0.090	-0.089
.50	.992	-0.061	-0.123	-0.116	-0.061	-0.122	-0.024	-0.147	-0.117	-0.094	-0.117	-0.094	-0.093
.17	.996	-0.066	-0.129	-0.122	-0.066	-0.128	-0.020	-0.150	-0.119	-0.098	-0.119	-0.098	-0.097
		$P_{t,j}/P_\infty = 4.98$			$P_{t,j}/P_\infty = 4.97$			$P_{t,j}/P_\infty = 4.97$			$P_{t,j}/P_\infty = 4.97$		
12.01	.719	-0.005	-0.068	-0.068	-0.005	-0.067	-0.055	-0.099	-0.099	-0.068	-0.099	-0.068	-0.065
10.59	.757	-0.011	-0.074	-0.070	-0.011	-0.073	-0.051	-0.102	-0.100	-0.070	-0.100	-0.070	-0.067
8.76	.795	-0.017	-0.080	-0.076	-0.017	-0.079	-0.047	-0.105	-0.103	-0.073	-0.103	-0.073	-0.071
7.18	.832	-0.023	-0.086	-0.082	-0.023	-0.085	-0.043	-0.108	-0.105	-0.076	-0.105	-0.076	-0.073
5.56	.870	-0.029	-0.092	-0.088	-0.029	-0.091	-0.039	-0.111	-0.107	-0.079	-0.107	-0.079	-0.077
3.93	.908	-0.035	-0.098	-0.094	-0.035	-0.097	-0.035	-0.114	-0.109	-0.082	-0.109	-0.082	-0.080
2.32	.945	-0.041	-0.104	-0.100	-0.041	-0.103	-0.031	-0.117	-0.111	-0.085	-0.111	-0.085	-0.083
1.54	.964	-0.047	-0.110	-0.106	-0.047	-0.109	-0.027	-0.120	-0.113	-0.088	-0.113	-0.088	-0.086
.73	.983	-0.053	-0.116	-0.112	-0.053	-0.115	-0.023	-0.123	-0.115	-0.090	-0.115	-0.090	-0.089
.50	.992	-0.059	-0.122	-0.118	-0.059	-0.121	-0.019	-0.126	-0.117	-0.094	-0.117	-0.094	-0.093
.17	.996	-0.064	-0.128	-0.124	-0.064	-0.127	-0.015	-0.129	-0.119	-0.098	-0.119	-0.098	-0.097
		$P_{t,j}/P_\infty = 6.99$			$P_{t,j}/P_\infty = 6.99$			$P_{t,j}/P_\infty = 6.98$			$P_{t,j}/P_\infty = 6.98$		
12.01	.719	-0.003	-0.068	-0.068	-0.003	-0.067	-0.055	-0.099	-0.099	-0.068	-0.099	-0.068	-0.064
10.59	.757	-0.009	-0.074	-0.070	-0.009	-0.073	-0.051	-0.102	-0.100	-0.070	-0.100	-0.070	-0.069
8.76	.795	-0.015	-0.080	-0.076	-0.015	-0.079	-0.047	-0.105	-0.103	-0.073	-0.103	-0.073	-0.071
7.18	.832	-0.021	-0.086	-0.082	-0.021	-0.085	-0.043	-0.108	-0.105	-0.076	-0.105	-0.076	-0.073
5.56	.870	-0.027	-0.092	-0.088	-0.027	-0.091	-0.039	-0.111	-0.107	-0.079	-0.107	-0.079	-0.077
3.93	.908	-0.033	-0.098	-0.094	-0.033	-0.097	-0.035	-0.114	-0.109	-0.082	-0.109	-0.082	-0.080
2.32	.945	-0.039	-0.104	-0.100	-0.039	-0.103	-0.031	-0.117	-0.111	-0.085	-0.111	-0.085	-0.083
1.54	.964	-0.045	-0.110	-0.106	-0.045	-0.109	-0.027	-0.120	-0.113	-0.088	-0.113	-0.088	-0.086
.73	.983	-0.051	-0.116	-0.112	-0.051	-0.115	-0.023	-0.123	-0.115	-0.090	-0.115	-0.090	-0.089
.50	.992	-0.057	-0.122	-0.118	-0.057	-0.121	-0.019	-0.126	-0.117	-0.094	-0.117	-0.094	-0.093
.17	.996	-0.062	-0.128	-0.124	-0.062	-0.127	-0.015	-0.129	-0.119	-0.098	-0.119	-0.098	-0.097
		$P_{t,j}/P_\infty = 9.00$			$P_{t,j}/P_\infty = 8.99$			$P_{t,j}/P_\infty = 8.96$			$P_{t,j}/P_\infty = 8.96$		
12.01	.719	-0.001	-0.067	-0.067	-0.001	-0.066	-0.057	-0.096	-0.096	-0.068	-0.096	-0.068	-0.064
10.59	.757	-0.007	-0.073	-0.070	-0.007	-0.072	-0.053	-0.100	-0.100	-0.070	-0.100	-0.070	-0.069
8.76	.795	-0.013	-0.079	-0.076	-0.013	-0.078	-0.049	-0.103	-0.103	-0.073	-0.103	-0.073	-0.071
7.18	.832	-0.019	-0.085	-0.082	-0.019	-0.084	-0.045	-0.106	-0.105	-0.076	-0.105	-0.076	-0.073
5.56	.870	-0.025	-0.091	-0.088	-0.025	-0.090	-0.041	-0.109	-0.107	-0.079	-0.107	-0.079	-0.077
3.93	.908	-0.031	-0.097	-0.094	-0.031	-0.096	-0.037	-0.112	-0.109	-0.082	-0.109	-0.082	-0.080
2.32	.945	-0.037	-0.103	-0.100	-0.037	-0.102	-0.033	-0.115	-0.111	-0.085	-0.111	-0.085	-0.083
1.54	.964	-0.043	-0.109	-0.106	-0.043	-0.108	-0.029	-0.118	-0.113	-0.088	-0.113	-0.088	-0.086
.73	.983	-0.049	-0.115	-0.112	-0.049	-0.114	-0.025	-0.121	-0.115	-0.090	-0.115	-0.090	-0.089
.50	.992	-0.055	-0.121	-0.118	-0.055	-0.120	-0.021	-0.124	-0.117	-0.094	-0.117	-0.094	-0.093
.17	.996	-0.060	-0.127	-0.124	-0.060	-0.126	-0.017	-0.127	-0.119	-0.098	-0.119	-0.098	-0.097
		$P_{t,j}/P_\infty = 10.96$			$P_{t,j}/P_\infty = 10.97$			$P_{t,j}/P_\infty = 10.96$			$P_{t,j}/P_\infty = 10.97$		
12.01	.719	-0.001	-0.067	-0.067	-0.001	-0.066	-0.057	-0.096	-0.096	-0.068	-0.096	-0.068	-0.064
10.59	.757	-0.007	-0.073	-0.070	-0.007	-0.072	-0.053	-0.100	-0.100	-0.070	-0.100	-0.070	-0.069
8.76	.795	-0.013	-0.079	-0.076	-0.013	-0.078	-0.049	-0.103	-0.103	-0.073	-0.103	-0.073	-0.071
7.18	.832	-0.019	-0.085	-0.082	-0.019	-0.084	-0.045	-0.106	-0.105	-0.076	-0.105	-0.076	-0.073
5.56	.870	-0.025	-0.091	-0.088	-0.025	-0.090	-0.041	-0.109	-0.107	-0.079	-0.107	-0.079	-0.077
3.93	.908	-0.031	-0.097	-0.094	-0.031	-0.096	-0.037	-0.112	-0.109	-0.082	-0.109	-0.082	-0.080
2.32	.945	-0.037	-0.103	-0.100	-0.037	-0.102	-0.033	-0.115	-0.111	-0.085	-0.111	-0.085	-0.083
1.54	.964	-0.043	-0.109	-0.106	-0.043	-0.108	-0.029	-0.118	-0.113	-0.088	-0.113	-0.088	-0.086
.73	.983	-0.049	-0.115	-0.112	-0.049	-0.114	-0.025	-0.121	-0.115	-0.090	-0.115	-0.090	-0.089
.50	.992	-0.055	-0.121	-0.118	-0.055	-0.120	-0.021	-0.124	-0.117	-0.094	-0.117	-0.094	-0.093
.17	.996	-0.060	-0.127	-0.124	-0.060	-0.126	-0.017	-0.127	-0.119	-0.098	-0.119	-0.098	-0.097

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody XII

 $t_1 = \text{Gold}$

$\frac{x}{d}$	$\frac{x}{\text{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 1.04$			$P_{t,1}/P_\infty = 1.06$			$P_{t,1}/P_\infty = 1.10$			$P_{t,1}/P_\infty = 0.99$		
12.01	0.719	-0.016	-0.010	0.004	-0.009	-0.005	0.012	-0.097	-0.091	-0.075	-0.059	-0.056	-0.034
10.39	.757	-.027	-.019	-.016	-.025	-.014	-.011	-.085	-.077	-.076	-.054	-.052	-.032
8.76	.795	-.027	-.031	-.027	-.028	-.027	-.025	-.066	-.070	-.067	-.059	-.063	-.061
7.18	.832	-.058	-.056	-.050	-.059	-.055	-.049	-.075	-.068	-.062	-.059	-.058	-.054
5.56	.870	-.115	-.110	-.109	-.125	-.123	-.122	-.110	-.109	-.100	-.095	-.078	-.076
3.93	.908	-.178	-.181	-.180	-.227	-.229	-.229	-.250	-.253	-.254	-.202	-.207	-.205
2.35	.945	-.192	-.146	-.149	-.177	-.171	-.174	-.267	-.253	-.261	-.308	-.249	-.259
1.54	.964	-.087	-.087	-.092	-.090	-.090	-.095	-.084	-.087	-.089	-.169	-.154	-.242
.73	.983	-.002	-.004	-.007	.011	.026	.005	.082	.079	.079	-.268	-.198	-.186
.30	.993	.051	.045	.045	.055	.050	.059	.120	.118	.118	-.099	-.102	-.095
.17	.996	.068	.069	.064	.083	.080	.080	.132	.131	.131	-.051	-.056	-.053
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$\frac{x}{d}$	$\frac{x}{\text{max}}$	$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$		
		$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 2.00$		
12.01	.719	-.016	-.007	.005	-.010	-.001	.012	-.100	-.090	-.076	-.057	-.052	-.032
10.39	.757	-.026	-.019	-.016	-.022	-.014	-.011	-.085	-.078	-.077	-.059	-.048	-.048
8.76	.795	-.027	-.031	-.027	-.028	-.027	-.025	-.066	-.070	-.067	-.059	-.063	-.061
7.18	.832	-.057	-.056	-.050	-.059	-.055	-.049	-.075	-.068	-.062	-.059	-.058	-.054
5.56	.870	-.114	-.109	-.111	-.125	-.122	-.122	-.107	-.100	-.100	-.080	-.074	-.072
3.93	.908	-.179	-.180	-.182	-.227	-.229	-.229	-.250	-.253	-.254	-.202	-.207	-.205
2.35	.945	-.192	-.149	-.152	-.177	-.171	-.174	-.267	-.253	-.261	-.308	-.249	-.259
1.54	.964	-.087	-.087	-.092	-.090	-.090	-.095	-.084	-.087	-.089	-.169	-.154	-.242
.73	.983	-.002	-.004	-.007	.011	.026	.005	.082	.079	.079	-.268	-.198	-.186
.30	.993	.051	.045	.045	.055	.050	.059	.120	.118	.118	-.099	-.102	-.095
.17	.996	.068	.069	.064	.083	.080	.080	.132	.131	.131	-.051	-.056	-.053
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$\frac{x}{d}$	$\frac{x}{\text{max}}$	$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 2.96$			$P_{t,1}/P_\infty = 2.99$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 2.96$			$P_{t,1}/P_\infty = 2.99$		
		$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 2.96$			$P_{t,1}/P_\infty = 2.99$		
12.01	.719	-.015	-.005	.005	-.011	-.001	.011	-.101	-.090	-.076	-.056	-.051	-.031
10.39	.757	-.024	-.015	-.015	-.022	-.012	-.012	-.086	-.078	-.077	-.061	-.047	-.049
8.76	.795	-.026	-.029	-.027	-.028	-.028	-.025	-.067	-.069	-.067	-.056	-.056	-.058
7.18	.832	-.057	-.054	-.049	-.059	-.057	-.050	-.075	-.067	-.067	-.058	-.056	-.049
5.56	.870	-.114	-.108	-.110	-.125	-.124	-.125	-.108	-.101	-.101	-.082	-.073	-.072
3.93	.908	-.179	-.180	-.181	-.227	-.229	-.229	-.250	-.253	-.254	-.202	-.207	-.205
2.35	.945	-.192	-.150	-.153	-.177	-.176	-.179	-.267	-.256	-.262	-.308	-.253	-.259
1.54	.964	-.087	-.094	-.099	-.099	-.098	-.105	-.095	-.096	-.098	-.144	-.208	-.250
.73	.983	-.002	-.002	-.003	-.005	-.008	-.010	.076	.074	.073	-.211	-.195	-.195
.30	.993	.025	.020	.018	.044	.040	.038	.116	.113	.113	-.136	-.136	-.136
.17	.996	.059	.034	.034	.061	.057	.057	.126	.126	.126	-.096	-.097	-.090
<hr/>													
$\frac{x}{d}$	$\frac{x}{\text{max}}$	$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 4.96$			$P_{t,1}/P_\infty = 4.98$			$P_{t,1}/P_\infty = 4.99$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 4.96$			$P_{t,1}/P_\infty = 4.98$			$P_{t,1}/P_\infty = 4.99$		
		$P_{t,1}/P_\infty = 4.99$			$P_{t,1}/P_\infty = 4.96$			$P_{t,1}/P_\infty = 4.98$			$P_{t,1}/P_\infty = 4.99$		
12.01	.719	-.015	-.006	.004	-.009	.000	.012	-.102	-.092	-.076	-.060	-.056	-.031
10.39	.757	-.024	-.018	-.015	-.021	-.014	-.011	-.087	-.078	-.077	-.062	-.048	-.048
8.76	.795	-.026	-.029	-.027	-.028	-.027	-.025	-.068	-.071	-.068	-.057	-.059	-.056
7.18	.832	-.056	-.055	-.049	-.058	-.057	-.049	-.071	-.068	-.061	-.058	-.053	-.048
5.56	.870	-.114	-.109	-.110	-.125	-.122	-.122	-.108	-.101	-.100	-.082	-.072	-.070
3.93	.908	-.179	-.182	-.182	-.229	-.231	-.231	-.249	-.252	-.254	-.202	-.207	-.206
2.35	.945	-.192	-.152	-.155	-.177	-.176	-.179	-.267	-.257	-.257	-.306	-.244	-.257
1.54	.964	-.087	-.094	-.099	-.099	-.098	-.107	-.095	-.096	-.098	-.144	-.208	-.250
.73	.983	-.002	-.002	-.003	-.005	-.008	-.010	.076	.074	.073	-.211	-.195	-.195
.30	.993	.025	.020	.018	.044	.040	.038	.116	.113	.113	-.136	-.136	-.136
.17	.996	.059	.034	.034	.061	.057	.057	.126	.126	.126	-.096	-.097	-.090
<hr/>													
$\frac{x}{d}$	$\frac{x}{\text{max}}$	$P_{t,1}/P_\infty = 5.82$ (max.)			$P_{t,1}/P_\infty = 5.71$ (max.)			$P_{t,1}/P_\infty = 5.94$			$P_{t,1}/P_\infty = 6.96$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 5.82$ (max.)			$P_{t,1}/P_\infty = 5.71$ (max.)			$P_{t,1}/P_\infty = 5.94$			$P_{t,1}/P_\infty = 6.96$		
		$P_{t,1}/P_\infty = 5.82$ (max.)			$P_{t,1}/P_\infty = 5.71$ (max.)			$P_{t,1}/P_\infty = 5.94$			$P_{t,1}/P_\infty = 6.96$		
12.01	.719	-.015	-.006	.004	-.012	-.002	.010	-.108	-.098	-.077	-.057	-.052	-.032
10.39	.757	-.025	-.019	-.017	-.024	-.016	-.014	-.087	-.079	-.077	-.059	-.048	-.049
8.76	.795	-.026	-.029	-.027	-.028	-.027	-.025	-.067	-.071	-.067	-.055	-.059	-.056
7.18	.832	-.057	-.056	-.050	-.059	-.058	-.052	-.071	-.067	-.061	-.055	-.053	-.048
5.56	.870	-.114	-.110	-.111	-.125	-.123	-.123	-.108	-.101	-.100	-.082	-.072	-.070
3.93	.908	-.179	-.181	-.182	-.229	-.231	-.231	-.249	-.252	-.254	-.202	-.207	-.206
2.35	.945	-.192	-.154	-.156	-.177	-.176	-.179	-.267	-.257	-.257	-.306	-.244	-.257
1.54	.964	-.087	-.094	-.099	-.099	-.098	-.107	-.095	-.096	-.098	-.144	-.208	-.250
.73	.983	-.002	-.002	-.003	-.005	-.008	-.010	.076	.074	.073	-.211	-.195	-.195
.30	.993	.025	.020	.018	.044	.040	.038	.116	.113	.113	-.136	-.136	-.136
.17	.996	.059	.034	.034	.061	.057	.057	.126	.126	.126	-.096	-.097	-.090

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS -- Continued

(m) Afterbody XII - Continued

$$t_1 = 600^\circ \text{ F}$$

X d _i	X t _{max}	Pressure coefficients for -											
		M _∞ = 0.80			M _∞ = 0.90			M _∞ = 1.00			M _∞ = 1.10		
		θ = 0°	θ = 45°	θ = 72°	θ = 0°	θ = 45°	θ = 72°	θ = 0°	θ = 45°	θ = 72°	θ = 0°	θ = 45°	θ = 72°
		P _{c,i} /P _∞ = 2.01			P _{c,i} /P _∞ = 1.94			P _{c,i} /P _∞ = 2.01			P _{c,i} /P _∞ = 2.00		
12.01	0.719	-0.014	-0.009	0.000	-0.010	-0.004	0.011	-0.009	-0.002	-0.007	-0.050	-0.070	-0.089
10.59	0.757	-0.025	-0.018	-0.014	-0.023	-0.016	-0.013	-0.026	-0.018	-0.015	-0.059	-0.086	-0.104
8.76	0.792	-0.046	-0.029	-0.027	-0.045	-0.029	-0.025	-0.066	-0.039	-0.037	-0.092	-0.161	-0.200
7.18	0.832	-0.066	-0.044	-0.046	-0.060	-0.039	-0.030	-0.071	-0.059	-0.050	-0.106	-0.197	-0.261
5.56	0.870	-0.114	-0.107	-0.109	-0.120	-0.102	-0.085	-0.106	-0.100	-0.099	-0.160	-0.271	-0.373
3.95	0.905	-0.177	-0.181	-0.180	-0.206	-0.182	-0.150	-0.106	-0.100	-0.099	-0.202	-0.336	-0.473
2.59	0.928	-0.252	-0.246	-0.248	-0.278	-0.243	-0.204	-0.162	-0.155	-0.154	-0.282	-0.456	-0.625
1.54	0.948	-0.349	-0.338	-0.342	-0.381	-0.345	-0.295	-0.225	-0.215	-0.214	-0.377	-0.588	-0.821
0.73	0.963	-0.469	-0.458	-0.462	-0.501	-0.465	-0.397	-0.306	-0.296	-0.295	-0.477	-0.727	-1.013
0.30	0.993	-0.610	-0.601	-0.602	-0.641	-0.605	-0.504	-0.386	-0.376	-0.375	-0.586	-0.869	-1.173
0.17	0.996	-0.666	-0.653	-0.652	-0.676	-0.673	-0.573	-0.438	-0.436	-0.437	-0.695	-0.992	-1.061
		P _{c,i} /P _∞ = 5.01			P _{c,i} /P _∞ = 3.00			P _{c,i} /P _∞ = 2.98			P _{c,i} /P _∞ = 5.02		
12.01	0.719	-0.014	-0.009	0.000	-0.006	-0.002	0.013	-0.009	-0.002	-0.007	-0.050	-0.070	-0.089
10.59	0.757	-0.025	-0.018	-0.014	-0.021	-0.013	-0.010	-0.026	-0.018	-0.015	-0.059	-0.086	-0.104
8.76	0.792	-0.046	-0.029	-0.027	-0.042	-0.026	-0.021	-0.066	-0.039	-0.037	-0.092	-0.161	-0.200
7.18	0.832	-0.066	-0.044	-0.046	-0.060	-0.039	-0.030	-0.071	-0.059	-0.050	-0.106	-0.197	-0.261
5.56	0.870	-0.114	-0.107	-0.109	-0.120	-0.102	-0.085	-0.106	-0.100	-0.099	-0.160	-0.271	-0.373
3.95	0.905	-0.177	-0.181	-0.180	-0.206	-0.182	-0.150	-0.106	-0.100	-0.099	-0.202	-0.336	-0.473
2.59	0.928	-0.252	-0.246	-0.248	-0.278	-0.243	-0.204	-0.162	-0.155	-0.154	-0.282	-0.456	-0.625
1.54	0.948	-0.349	-0.338	-0.342	-0.381	-0.345	-0.295	-0.225	-0.215	-0.214	-0.377	-0.588	-0.821
0.73	0.963	-0.469	-0.458	-0.462	-0.501	-0.465	-0.397	-0.306	-0.296	-0.295	-0.477	-0.727	-1.013
0.30	0.993	-0.610	-0.601	-0.602	-0.641	-0.605	-0.504	-0.386	-0.376	-0.375	-0.586	-0.869	-1.173
0.17	0.996	-0.666	-0.653	-0.652	-0.676	-0.673	-0.573	-0.438	-0.436	-0.437	-0.695	-0.992	-1.061
		P _{c,i} /P _∞ = 5.01			P _{c,i} /P _∞ = 4.99			P _{c,i} /P _∞ = 4.98			P _{c,i} /P _∞ = 5.04		
12.01	0.719	-0.014	-0.009	0.000	-0.009	-0.003	0.012	-0.009	-0.002	-0.007	-0.051	-0.071	-0.088
10.59	0.757	-0.024	-0.017	-0.013	-0.021	-0.014	-0.010	-0.025	-0.017	-0.016	-0.052	-0.081	-0.101
8.76	0.792	-0.045	-0.028	-0.027	-0.043	-0.027	-0.024	-0.067	-0.039	-0.038	-0.094	-0.165	-0.206
7.18	0.832	-0.067	-0.044	-0.048	-0.078	-0.055	-0.048	-0.113	-0.088	-0.081	-0.161	-0.271	-0.373
5.56	0.870	-0.114	-0.108	-0.108	-0.125	-0.122	-0.123	-0.170	-0.100	-0.100	-0.205	-0.374	-0.473
3.95	0.905	-0.179	-0.182	-0.181	-0.223	-0.231	-0.230	-0.289	-0.254	-0.255	-0.388	-0.597	-0.706
2.59	0.943	-0.297	-0.131	-0.135	-0.283	-0.176	-0.176	-0.449	-0.254	-0.255	-0.502	-0.807	-1.006
1.54	0.964	-0.393	-0.205	-0.208	-0.300	-0.099	-0.104	-0.605	-0.358	-0.368	-0.604	-0.908	-1.106
0.73	0.989	-0.623	-0.227	-0.029	-0.010	-0.012	-0.013	-0.702	-0.470	-0.470	-0.805	-1.189	-1.377
0.30	0.993	-0.612	-0.009	0.008	0.036	0.033	0.032	-0.112	-0.109	-0.111	-0.251	-0.246	-0.253
0.17	0.996	-0.604	-0.021	0.021	0.050	0.048	0.049	-0.123	-0.123	-0.124	-0.213	-0.214	-0.204
		P _{c,i} /P _∞ = 7.02			P _{c,i} /P _∞ = 7.00			P _{c,i} /P _∞ = 6.97			P _{c,i} /P _∞ = 6.99		
12.01	0.719	-0.016	-0.011	0.005	-0.008	-0.002	0.013	-0.009	-0.002	-0.007	-0.051	-0.071	-0.088
10.59	0.757	-0.026	-0.020	-0.017	-0.021	-0.014	-0.009	-0.086	-0.078	-0.076	-0.092	-0.167	-0.207
8.76	0.792	-0.047	-0.031	-0.029	-0.043	-0.027	-0.024	-0.066	-0.070	-0.068	-0.096	-0.166	-0.206
7.18	0.832	-0.068	-0.057	-0.054	-0.078	-0.055	-0.048	-0.078	-0.088	-0.081	-0.160	-0.271	-0.373
5.56	0.870	-0.117	-0.110	-0.111	-0.128	-0.121	-0.122	-0.139	-0.101	-0.099	-0.204	-0.374	-0.473
3.95	0.905	-0.181	-0.185	-0.184	-0.226	-0.230	-0.229	-0.272	-0.254	-0.254	-0.388	-0.597	-0.706
2.59	0.928	-0.254	-0.160	-0.154	-0.157	-0.185	-0.176	-0.365	-0.252	-0.252	-0.500	-0.807	-1.006
1.54	0.948	-0.348	-0.103	-0.100	-0.107	-0.103	-0.106	-0.413	-0.112	-0.113	-0.197	-0.177	-0.177
0.73	0.963	-0.468	-0.099	-0.098	-0.017	-0.018	-0.020	-0.604	-0.262	-0.263	-0.214	-0.196	-0.197
0.30	0.993	-0.601	-0.004	-0.004	0.002	0.002	0.001	-0.104	-0.101	-0.101	-0.177	-0.170	-0.171
0.17	0.996	-0.609	0.004	0.006	0.037	0.033	0.033	-0.113	-0.114	-0.115	-0.203	-0.190	-0.180
		P _{c,i} /P _∞ = 9.03			P _{c,i} /P _∞ = 9.00			P _{c,i} /P _∞ = 8.96			P _{c,i} /P _∞ = 8.95		
12.01	0.719	-0.016	-0.010	0.003	-0.008	-0.002	0.012	-0.008	-0.002	-0.007	-0.051	-0.072	-0.089
10.59	0.757	-0.026	-0.020	-0.016	-0.021	-0.013	-0.010	-0.089	-0.078	-0.076	-0.099	-0.167	-0.207
8.76	0.792	-0.047	-0.031	-0.028	-0.043	-0.027	-0.024	-0.066	-0.070	-0.067	-0.096	-0.166	-0.206
7.18	0.832	-0.068	-0.056	-0.051	-0.078	-0.055	-0.048	-0.078	-0.088	-0.081	-0.160	-0.271	-0.373
5.56	0.870	-0.116	-0.110	-0.111	-0.128	-0.121	-0.122	-0.139	-0.101	-0.099	-0.204	-0.374	-0.473
3.95	0.905	-0.180	-0.184	-0.183	-0.226	-0.230	-0.228	-0.272	-0.254	-0.253	-0.388	-0.597	-0.706
2.59	0.928	-0.255	-0.159	-0.153	-0.161	-0.170	-0.178	-0.365	-0.252	-0.252	-0.500	-0.807	-1.006
1.54	0.948	-0.349	-0.103	-0.099	-0.104	-0.101	-0.106	-0.413	-0.112	-0.110	-0.197	-0.177	-0.177
0.73	0.963	-0.468	-0.091	-0.093	-0.009	-0.010	-0.011	-0.604	-0.262	-0.263	-0.214	-0.196	-0.197
0.30	0.993	-0.603	-0.002	-0.002	0.006	0.021	0.021	-0.101	-0.101	-0.101	-0.177	-0.171	-0.171
0.17	0.996	-0.611	0.003	0.007	0.037	0.032	0.034	-0.112	-0.111	-0.113	-0.163	-0.160	-0.150
		P _{c,i} /P _∞ = 10.96			P _{c,i} /P _∞ = 11.01			P _{c,i} /P _∞ = 11.01			P _{c,i} /P _∞ = 11.01		
12.01	0.719	-0.008	-0.002	0.003	-0.008	-0.002	0.003	-0.008	-0.002	-0.007	-0.052	-0.072	-0.088
10.59	0.757	-0.008	-0.002	0.003	-0.008	-0.002	0.003	-0.008	-0.002	-0.007	-0.052	-0.072	-0.088
8.76	0.792	-0.007	-0.001	0.001	-0.007	-0.001	0.001	-0.007	-0.001	-0.006	-0.051	-0.071	-0.087
7.18	0.832	-0.007	-0.001	0.001	-0.007	-0.001	0.001	-0.007	-0.001	-0.006	-0.051	-0.071	-0.087
5.56	0.870	-0.007	-0.001	0.001	-0.007	-0.001	0.001	-0.007	-0.001	-0.006	-0.051	-0.071	-0.087
3.95	0.905	-0.007	-0.001	0.001	-0.007	-0.001	0.001	-0.007	-0.001	-0.006	-0.051	-0.071	-0.087
2.59	0.928	-0.007	-0.001	0.001	-0.007	-0.001	0.001	-0.007	-0.001	-0.006	-0.051	-0.071	-0.087
1.54	0.948	-0.007	-0.001	0.001	-0.007	-0.001	0.001	-0.007	-0.001	-0.006	-0.051	-0.071	-0.087
0.73	0.963	-0.007	-0.001	0.001	-0.007	-0.001	0.001	-0.007	-0.001	-0.006	-0.051	-0.071	-0.087
0.30	0.993	-0.007	-0.001	0.001	-0.007	-0.001	0.001	-0.007	-0.001	-0.006	-0.051	-0.071	-0.087
0.17	0.996	-0.007	-0.001	0.001	-0.007	-0.001	0.001	-0.007	-0.001	-0.006	-0.051	-0.071	-0.087

TABLE 113.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody XII - Continued

$$t_2 = 1,200^\circ \text{ F}$$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 2.00$			$P_{t,1}/P_\infty = 1.98$			$P_{t,1}/P_\infty = 2.09$			$P_{t,1}/P_\infty = 2.05$		
12.01	0.719	-0.014	-0.009	0.007	-0.012	-0.006	0.010	-0.095	-0.091	-0.074	-0.051	-0.048	-0.027
10.39	.757	-.024	-.017	-.014	-.024	-.016	-.012	-.084	-.078	-.076	-.050	-.048	-.047
8.76	.795	-.025	-.038	-.026	-.026	-.029	-.026	-.066	-.069	-.060	-.057	-.061	-.059
7.18	.832	-.052	-.054	-.047	-.050	-.057	-.051	-.071	-.067	-.060	-.059	-.057	-.050
5.56	.870	-.110	-.108	-.107	-.131	-.127	-.125	-.109	-.104	-.100	-.093	-.076	-.074
3.93	.908	-.174	-.177	-.176	-.226	-.230	-.230	-.248	-.252	-.253	-.201	-.206	-.206
2.35	.945	-.247	-.243	-.246	-.273	-.270	-.272	-.294	-.291	-.291	-.206	-.261	-.263
1.54	.964	-.083	-.082	-.089	-.087	-.087	-.094	-.048	-.050	-.048	-.149	-.231	-.229
.73	.983	-.004	-.004	-.007	-.010	-.007	-.009	-.034	-.033	-.036	-.172	-.127	-.165
.30	.993	.043	.041	.040	.031	.027	.025	.128	.125	.129	-.082	-.079	-.071
.17	.996	.061	.057	.058	.076	.075	.075	.180	.178	.179	-.044	-.042	-.036
		$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 3.01$			$P_{t,1}/P_\infty = 2.97$			$P_{t,1}/P_\infty = 3.02$		
12.01	.719	-.016	-.010	.005	-.009	-.004	.011	-.078	-.091	-.074	-.050	-.048	-.027
10.39	.757	-.026	-.018	-.015	-.022	-.014	-.011	-.084	-.077	-.077	-.060	-.048	-.047
8.76	.795	-.027	-.030	-.026	-.024	-.027	-.022	-.066	-.069	-.067	-.057	-.061	-.059
7.18	.832	-.056	-.054	-.049	-.056	-.055	-.049	-.071	-.067	-.061	-.059	-.056	-.051
5.56	.870	-.113	-.110	-.109	-.127	-.125	-.123	-.109	-.105	-.101	-.093	-.076	-.074
3.93	.908	-.175	-.180	-.180	-.225	-.227	-.228	-.248	-.252	-.253	-.201	-.206	-.206
2.35	.945	-.245	-.243	-.249	-.274	-.270	-.272	-.294	-.291	-.291	-.206	-.261	-.263
1.54	.964	-.089	-.088	-.094	-.088	-.089	-.094	-.049	-.050	-.048	-.149	-.231	-.229
.73	.983	-.009	-.012	-.015	.006	.003	-.000	.063	.061	.061	-.177	-.164	-.175
.30	.993	.035	.030	.028	.055	.050	.044	.121	.119	.118	-.097	-.099	-.087
.17	.996	.050	.044	.047	.072	.068	.067	.132	.131	.131	-.059	-.058	-.053
		$P_{t,1}/P_\infty = 5.00$			$P_{t,1}/P_\infty = 5.00$			$P_{t,1}/P_\infty = 4.96$			$P_{t,1}/P_\infty = 5.00$		
12.01	.719	-.015	-.012	.002	-.010	-.006	.013	-.078	-.090	-.073	-.053	-.050	-.027
10.39	.757	-.026	-.018	-.015	-.023	-.015	-.012	-.084	-.077	-.077	-.062	-.048	-.048
8.76	.795	-.027	-.031	-.026	-.024	-.027	-.022	-.066	-.069	-.067	-.057	-.062	-.059
7.18	.832	-.056	-.055	-.051	-.059	-.057	-.051	-.071	-.067	-.061	-.059	-.056	-.051
5.56	.870	-.113	-.112	-.109	-.129	-.125	-.123	-.109	-.105	-.101	-.093	-.076	-.074
3.93	.908	-.176	-.181	-.180	-.227	-.229	-.229	-.248	-.252	-.253	-.201	-.206	-.206
2.35	.945	-.245	-.250	-.250	-.280	-.274	-.276	-.294	-.291	-.291	-.206	-.261	-.263
1.54	.964	-.095	-.094	-.100	-.097	-.095	-.102	-.088	-.090	-.089	-.145	-.220	-.223
.73	.983	-.022	-.024	-.028	-.006	-.010	-.012	.078	.072	.072	-.201	-.186	-.188
.30	.993	.017	.012	.010	.039	.034	.032	.110	.109	.109	-.138	-.175	-.129
.17	.996	.028	.023	.024	.051	.049	.049	.122	.122	.123	-.105	-.103	-.095
		$P_{t,1}/P_\infty = 6.99$			$P_{t,1}/P_\infty = 7.05$			$P_{t,1}/P_\infty = 6.98$			$P_{t,1}/P_\infty = 7.02$		
12.01	.719	-.015	-.012	.009	-.010	-.005	.011	-.077	-.092	-.073	-.053	-.050	-.028
10.39	.757	-.026	-.019	-.016	-.023	-.014	-.011	-.084	-.077	-.076	-.062	-.049	-.048
8.76	.795	-.029	-.031	-.029	-.022	-.028	-.022	-.066	-.069	-.067	-.058	-.062	-.058
7.18	.832	-.056	-.055	-.050	-.059	-.056	-.050	-.071	-.068	-.061	-.058	-.057	-.050
5.56	.870	-.113	-.112	-.110	-.129	-.126	-.124	-.110	-.105	-.101	-.094	-.077	-.075
3.93	.908	-.179	-.181	-.181	-.226	-.229	-.229	-.248	-.253	-.254	-.206	-.209	-.209
2.35	.945	-.245	-.251	-.253	-.279	-.275	-.276	-.294	-.292	-.291	-.206	-.262	-.260
1.54	.964	-.097	-.097	-.101	-.097	-.098	-.105	-.097	-.098	-.101	-.147	-.209	-.251
.73	.983	-.024	-.029	-.030	-.013	-.014	-.017	.068	.067	.067	-.214	-.198	-.196
.30	.993	.009	.009	.004	.030	.026	.022	.109	.104	.105	-.168	-.165	-.153
.17	.996	.017	.014	.015	.042	.038	.033	.116	.116	.118	-.142	-.142	-.133
		$P_{t,1}/P_\infty = 8.98$			$P_{t,1}/P_\infty = 9.00$			$P_{t,1}/P_\infty = 8.94$			$P_{t,1}/P_\infty = 8.98$		
12.01	.719	-.015	-.010	.009	-.010	-.005	.012	-.096	-.092	-.075	-.050	-.053	-.031
10.39	.757	-.025	-.016	-.014	-.022	-.015	-.010	-.087	-.079	-.077	-.064	-.051	-.050
8.76	.795	-.026	-.029	-.027	-.024	-.028	-.024	-.068	-.071	-.069	-.058	-.063	-.061
7.18	.832	-.056	-.054	-.048	-.059	-.059	-.053	-.073	-.069	-.063	-.059	-.057	-.052
5.56	.870	-.112	-.110	-.107	-.127	-.124	-.121	-.111	-.107	-.101	-.094	-.076	-.075
3.93	.908	-.175	-.176	-.179	-.224	-.227	-.227	-.250	-.254	-.255	-.202	-.206	-.205
2.35	.945	-.245	-.247	-.250	-.275	-.271	-.272	-.293	-.290	-.290	-.206	-.262	-.259
1.54	.964	-.093	-.090	-.092	-.093	-.095	-.100	-.088	-.086	-.086	-.150	-.219	-.249
.73	.983	-.020	-.021	-.024	-.008	-.009	-.010	.064	.064	.068	-.221	-.206	-.199
.30	.993	.015	.013	.013	.039	.031	.030	.109	.104	.104	-.177	-.174	-.161
.17	.996	.020	.021	.022	.046	.043	.045	.116	.116	.117	-.153	-.153	-.143
		$P_{t,1}/P_\infty = 10.96$			$P_{t,1}/P_\infty = 10.99$			$P_{t,1}/P_\infty = 10.96$			$P_{t,1}/P_\infty = 10.99$		
12.01	.719							-.099	-.092	-.075	-.058	-.054	-.032
10.39	.757							-.068	-.060	-.077	-.065	-.051	-.051
8.76	.795							-.069	-.071	-.069	-.060	-.063	-.061
7.18	.832							-.072	-.069	-.063	-.060	-.058	-.058
5.56	.870							-.112	-.107	-.102	-.094	-.076	-.076
3.93	.908							-.250	-.254	-.257	-.203	-.207	-.204
2.35	.945							-.360	-.360	-.361	-.286	-.249	-.258
1.54	.964							-.474	-.475	-.474	-.170	-.192	-.239
.73	.983							.071	.071	.071	-.226	-.210	-.199
.30	.993							.109	.107	.108	-.168	-.167	-.155
.17	.996							.119	.119	.120	-.137	-.138	-.130

TABLE VII.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(n) Afterbody XIII

 $t_1 = \text{Cold}$

$\frac{x}{d_j}$		Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 0.98$		
12.01	0.719	-0.013	-0.010	-0.001	-0.007	-0.003	0.007	-0.006	-0.001	-0.001	-0.006	-0.005	-0.006
10.39	0.757	-0.021	-0.020	-0.016	-0.018	-0.015	-0.008	-0.009	-0.002	-0.011	-0.005	-0.007	-0.004
8.76	0.795	-0.027	-0.025	-0.020	-0.020	-0.020	-0.020	-0.020	-0.003	-0.003	-0.003	-0.003	-0.003
7.18	0.832	-0.031	-0.037	-0.037	-0.039	-0.035	-0.037	-0.005	-0.006	-0.006	-0.005	-0.005	-0.005
5.56	0.870	-0.059	-0.070	-0.069	-0.071	-0.072	-0.071	-0.007	-0.007	-0.007	-0.004	-0.005	-0.002
3.93	0.908	-0.150	-0.125	-0.125	-0.132	-0.124	-0.131	-0.108	-0.105	-0.102	-0.107	-0.109	-0.108
2.35	0.945	-0.234	-0.240	-0.237	-0.217	-0.225	-0.219	-0.209	-0.207	-0.206	-0.207	-0.206	-0.207
1.54	0.964	-0.187	-0.187	-0.197	-0.224	-0.227	-0.237	-0.265	-0.268	-0.268	-0.265	-0.265	-0.265
0.73	0.983	-0.069	-0.066	-0.072	-0.061	-0.062	-0.071	-0.050	-0.068	-0.074	-0.207	-0.206	-0.205
0.50	0.993	-0.016	-0.014	-0.013	-0.027	-0.025	-0.022	-0.038	-0.032	-0.034	-0.200	-0.201	-0.199
0.17	0.996	-0.036	-0.039	-0.036	-0.021	-0.025	-0.047	-0.054	-0.054	-0.057	-0.190	-0.189	-0.187
$\frac{x}{d_j}$		$P_{t,j}/P_\infty = 2.01$			$P_{t,j}/P_\infty = 1.99$			$P_{t,j}/P_\infty = 2.00$			$P_{t,j}/P_\infty = 2.00$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 0.98$		
		$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 0.98$		
12.01	0.719	-0.012	-0.009	-0.000	-0.006	-0.002	0.006	-0.006	-0.004	-0.004	-0.005	-0.001	-0.005
10.39	0.757	-0.020	-0.019	-0.014	-0.017	-0.015	-0.007	-0.008	-0.002	-0.010	-0.001	-0.002	-0.002
8.76	0.795	-0.026	-0.024	-0.020	-0.018	-0.019	-0.019	-0.008	-0.004	-0.004	-0.004	-0.004	-0.004
7.18	0.832	-0.040	-0.039	-0.030	-0.030	-0.032	-0.031	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004
5.56	0.870	-0.067	-0.071	-0.070	-0.068	-0.070	-0.068	-0.002	-0.002	-0.002	-0.004	-0.002	-0.004
3.93	0.908	-0.159	-0.157	-0.159	-0.187	-0.185	-0.186	-0.185	-0.186	-0.186	-0.184	-0.185	-0.185
2.35	0.945	-0.238	-0.243	-0.241	-0.217	-0.228	-0.220	-0.271	-0.271	-0.271	-0.170	-0.182	-0.186
1.54	0.964	-0.197	-0.198	-0.204	-0.225	-0.224	-0.232	-0.262	-0.262	-0.262	-0.179	-0.189	-0.192
0.73	0.983	-0.084	-0.085	-0.088	-0.071	-0.073	-0.078	-0.074	-0.096	-0.100	-0.202	-0.200	-0.200
0.50	0.993	-0.004	-0.007	-0.007	-0.014	-0.010	-0.010	-0.025	-0.019	-0.015	-0.200	-0.217	-0.204
0.17	0.996	-0.017	-0.017	-0.014	-0.025	-0.025	-0.034	-0.045	-0.044	-0.044	-0.197	-0.214	-0.211
$\frac{x}{d_j}$		$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 3.00$			$P_{t,j}/P_\infty = 2.98$			$P_{t,j}/P_\infty = 3.01$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 0.98$		
		$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 0.98$		
12.01	0.719	-0.014	-0.009	-0.003	-0.007	-0.001	0.008	-0.006	-0.000	-0.002	-0.006	-0.002	-0.005
10.39	0.757	-0.023	-0.019	-0.017	-0.014	-0.012	-0.007	-0.009	-0.001	-0.008	-0.001	-0.002	-0.002
8.76	0.795	-0.026	-0.024	-0.025	-0.017	-0.018	-0.015	-0.008	-0.007	-0.004	-0.005	-0.001	-0.006
7.18	0.832	-0.042	-0.038	-0.040	-0.034	-0.032	-0.031	-0.004	-0.004	-0.004	-0.004	-0.002	-0.004
5.56	0.870	-0.069	-0.072	-0.072	-0.067	-0.069	-0.069	-0.007	-0.007	-0.007	-0.004	-0.005	-0.004
3.93	0.908	-0.162	-0.159	-0.160	-0.190	-0.184	-0.187	-0.161	-0.158	-0.166	-0.149	-0.154	-0.159
2.35	0.945	-0.240	-0.246	-0.245	-0.221	-0.229	-0.225	-0.267	-0.266	-0.266	-0.132	-0.175	-0.184
1.54	0.964	-0.203	-0.204	-0.211	-0.238	-0.242	-0.248	-0.264	-0.264	-0.265	-0.200	-0.201	-0.204
0.73	0.983	-0.095	-0.095	-0.096	-0.080	-0.080	-0.083	-0.085	-0.108	-0.120	-0.207	-0.200	-0.204
0.50	0.993	-0.012	-0.017	-0.020	-0.009	-0.004	-0.005	-0.022	-0.015	-0.014	-0.207	-0.220	-0.218
0.17	0.996	-0.009	-0.009	-0.005	-0.008	-0.008	-0.008	-0.041	-0.040	-0.040	-0.170	-0.175	-0.167
$\frac{x}{d_j}$		$P_{t,j}/P_\infty = 4.54$			$P_{t,j}/P_\infty = 5.00$			$P_{t,j}/P_\infty = 4.99$			$P_{t,j}/P_\infty = 5.00$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 0.98$		
		$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 0.98$		
12.01	0.719	-0.015	-0.011	-0.001	-0.010	-0.003	0.008	-0.006	-0.004	-0.004	-0.005	-0.002	-0.004
10.39	0.757	-0.023	-0.020	-0.015	-0.019	-0.014	-0.009	-0.009	-0.002	-0.008	-0.001	-0.002	-0.002
8.76	0.795	-0.036	-0.035	-0.022	-0.019	-0.022	-0.017	-0.012	-0.009	-0.005	-0.005	-0.001	-0.007
7.18	0.832	-0.041	-0.037	-0.037	-0.037	-0.034	-0.034	-0.005	-0.006	-0.006	-0.005	-0.004	-0.005
5.56	0.870	-0.069	-0.071	-0.070	-0.069	-0.071	-0.069	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
3.93	0.908	-0.165	-0.158	-0.160	-0.191	-0.187	-0.190	-0.142	-0.140	-0.150	-0.146	-0.156	-0.141
2.35	0.945	-0.243	-0.247	-0.245	-0.227	-0.235	-0.228	-0.272	-0.270	-0.280	-0.166	-0.190	-0.187
1.54	0.964	-0.205	-0.206	-0.210	-0.247	-0.250	-0.259	-0.267	-0.267	-0.270	-0.190	-0.200	-0.205
0.73	0.983	-0.100	-0.100	-0.105	-0.091	-0.094	-0.097	-0.122	-0.147	-0.159	-0.205	-0.209	-0.208
0.50	0.993	-0.025	-0.028	-0.028	-0.010	-0.013	-0.012	-0.007	-0.004	-0.004	-0.201	-0.242	-0.227
0.17	0.996	-0.007	-0.008	-0.008	-0.010	-0.009	-0.008	-0.024	-0.022	-0.025	-0.205	-0.199	-0.190
$\frac{x}{d_j}$		$P_{t,j}/P_\infty = 5.85 \text{ (max.)}$			$P_{t,j}/P_\infty = 6.45 \text{ (max.)}$			$P_{t,j}/P_\infty = 6.97$			$P_{t,j}/P_\infty = 6.95$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 0.98$		
		$P_{t,j}/P_\infty = 1.02$			$P_{t,j}/P_\infty = 1.04$			$P_{t,j}/P_\infty = 1.05$			$P_{t,j}/P_\infty = 0.98$		
12.01	0.719	-0.015	-0.008	-0.000	-0.008	-0.001	0.007	-0.004	-0.000	-0.001	-0.006	-0.004	-0.004
10.39	0.757	-0.021	-0.019	-0.017	-0.017	-0.013	-0.008	-0.003	-0.002	-0.008	-0.005	-0.004	-0.007
8.76	0.795	-0.025	-0.024	-0.023	-0.019	-0.020	-0.015	-0.007	-0.007	-0.005	-0.004	-0.001	-0.007
7.18	0.832	-0.039	-0.038	-0.039	-0.038	-0.035	-0.032	-0.005	-0.007	-0.007	-0.005	-0.002	-0.002
5.56	0.870	-0.068	-0.071	-0.069	-0.070	-0.072	-0.071	-0.001	-0.004	-0.001	-0.005	-0.005	-0.001
3.93	0.908	-0.163	-0.158	-0.159	-0.192	-0.185	-0.188	-0.141	-0.138	-0.148	-0.145	-0.156	-0.136
2.35	0.945	-0.244	-0.250	-0.248	-0.229	-0.230	-0.239	-0.266	-0.266	-0.264	-0.121	-0.164	-0.169
1.54	0.964	-0.208	-0.210	-0.210	-0.245	-0.245	-0.265	-0.260	-0.267	-0.268	-0.207	-0.214	-0.219
0.73	0.983	-0.109	-0.112	-0.115	-0.105	-0.108	-0.106	-0.170	-0.194	-0.215	-0.231	-0.207	-0.226
0.50	0.993	-0.036	-0.043	-0.045	-0.024	-0.024	-0.024	-0.017	-0.008	-0.008	-0.204	-0.261	-0.254
0.17	0.996	-0.021	-0.024	-0.025	-0.005	-0.005	-0.005	-0.009	-0.009	-0.009	-0.208	-0.256	-0.222
$\frac{x}{d_j}$		$P_{t,j}/P_\infty = 6.15 \text{ (max.)}$											
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,j}/P_\infty = 1.02$											
		$P_{t,j}/P_\infty = 1.02$											
12.01	0.719	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
10.39	0.757	-0.035	-0.037	-0.037	-0.035	-0.037	-0.035	-0.035	-0.037	-0.037	-0.035	-0.037	-0.035
8.76	0.795	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045	-0.045
7.18	0.832	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055	-0.055
5.56	0.870	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065	-0.065
3.93	0.908	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075	-0.075
2.35	0.945	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085	-0.085
1.54	0.964	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095	-0.095
0.73	0.983	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105	-0.105
0.50	0.993	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115	-0.115
0.17	0.996	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.12		

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued.

(n) Afterbody XIII - Continued

$$t_j = 800^\circ \text{ F}$$

$\frac{x}{d}$		Pressure coefficients for -																	
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$								
		$\theta = 0^\circ$			$\theta = 45^\circ$			$\theta = 72^\circ$			$\theta = 0^\circ$			$\theta = 45^\circ$			$\theta = 72^\circ$		
		$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 2.01$			$P_{t,1}/P_\infty = 1.98$								
12.01	0.719	-0.011	-0.009	0.000	-0.009	-0.008	0.006	-0.099	-0.095	-0.089	-0.090	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	
10.59	0.757	-0.019	-0.016	-0.015	-0.019	-0.019	-0.010	-0.087	-0.084	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	-0.081	
8.76	0.795	-0.022	-0.020	-0.019	-0.022	-0.022	-0.018	-0.072	-0.071	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	
7.18	0.832	-0.037	-0.035	-0.033	-0.037	-0.037	-0.025	-0.065	-0.060	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	
5.56	0.870	-0.064	-0.063	-0.063	-0.070	-0.072	-0.070	-0.059	-0.059	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	-0.057	
3.95	0.906	-0.105	-0.104	-0.104	-0.120	-0.125	-0.125	-0.161	-0.156	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154	-0.154	
2.32	0.943	-0.294	-0.292	-0.292	-0.316	-0.322	-0.317	-0.471	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	
1.54	0.964	-0.139	-0.139	-0.139	-0.201	-0.206	-0.206	-0.371	-0.371	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	
0.73	0.983	-0.079	-0.077	-0.075	-0.068	-0.069	-0.073	-0.060	-0.070	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	
0.30	0.993	-0.002	-0.001	-0.001	0.015	0.015	0.012	0.034	0.027	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	
0.17	0.996	0.025	0.025	0.024	0.036	0.039	0.035	0.052	0.049	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	
		$P_{t,1}/P_\infty = 2.97$			$P_{t,1}/P_\infty = 3.00$			$P_{t,1}/P_\infty = 3.01$			$P_{t,1}/P_\infty = 3.00$								
12.01	-0.719	-0.015	-0.011	-0.001	-0.010	-0.004	0.005	-0.096	-0.095	-0.084	-0.090	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	-0.089	
10.59	-0.757	-0.025	-0.021	-0.018	-0.019	-0.016	-0.011	-0.085	-0.081	-0.079	-0.080	-0.079	-0.079	-0.079	-0.079	-0.079	-0.079	-0.079	
8.76	-0.795	-0.026	-0.025	-0.023	-0.023	-0.021	-0.018	-0.068	-0.069	-0.065	-0.061	-0.060	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	
7.18	-0.832	-0.042	-0.040	-0.039	-0.040	-0.039	-0.035	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	-0.060	
5.56	-0.870	-0.071	-0.070	-0.070	-0.071	-0.071	-0.070	-0.070	-0.068	-0.066	-0.062	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	
3.95	-0.906	-0.139	-0.138	-0.135	-0.132	-0.136	-0.130	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	-0.159	
2.32	-0.943	-0.294	-0.292	-0.292	-0.316	-0.322	-0.317	-0.471	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	-0.468	
1.54	-0.964	-0.139	-0.139	-0.139	-0.201	-0.206	-0.206	-0.371	-0.371	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	-0.368	
0.73	-0.983	-0.079	-0.077	-0.075	-0.068	-0.069	-0.073	-0.060	-0.070	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	-0.078	
0.30	-0.993	-0.002	-0.001	-0.001	0.015	0.015	0.012	0.034	0.027	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	
0.17	-0.996	0.025	0.025	0.024	0.036	0.039	0.035	0.052	0.049	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	
		$P_{t,1}/P_\infty = 5.00$			$P_{t,1}/P_\infty = 5.03$			$P_{t,1}/P_\infty = 5.02$			$P_{t,1}/P_\infty = 5.00$								
12.01	-0.719	-0.015	-0.011	0.000	-0.010	-0.005	0.006	-0.096	-0.094	-0.084	-0.091	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	-0.090	
10.59	-0.757	-0.025	-0.021	-0.015	-0.020	-0.016	-0.013	-0.086	-0.084	-0.080	-0.081	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	
8.76	-0.795	-0.026	-0.025	-0.023	-0.023	-0.022	-0.019	-0.071	-0.071	-0.067	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068	
7.18	-0.832	-0.040	-0.036	-0.036	-0.040	-0.036	-0.036	-0.065	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	-0.061	
5.56	-0.870	-0.068	-0.070	-0.068	-0.072	-0.074	-0.073	-0.099	-0.090	-0.097	-0.096	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	
3.95	-0.906	-0.162	-0.157	-0.160	-0.193	-0.186	-0.190	-0.169	-0.164	-0.171	-0.168	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167	-0.167	
2.32	-0.943	-0.241	-0.247	-0.242	-0.282	-0.271	-0.281	-0.268	-0.268	-0.279	-0.275	-0.275	-0.275	-0.275	-0.275	-0.275	-0.275	-0.275	
1.54	-0.964	-0.203	-0.204	-0.208	-0.240	-0.246	-0.248	-0.264	-0.267	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	
0.73	-0.983	-0.097	-0.097	-0.100	-0.087	-0.088	-0.098	-0.100	-0.114	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	
0.30	-0.993	-0.022	-0.024	-0.024	-0.005	-0.008	-0.007	0.014	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	
0.17	-0.996	-0.004	-0.005	-0.005	0.015	0.014	0.015	0.024	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	
		$P_{t,1}/P_\infty = 6.99$			$P_{t,1}/P_\infty = 7.00$			$P_{t,1}/P_\infty = 7.00$			$P_{t,1}/P_\infty = 6.91$								
12.01	-0.719	-0.012	-0.008	0.001	-0.010	-0.004	0.006	-0.096	-0.092	-0.083	-0.093	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	-0.091	
10.59	-0.757	-0.021	-0.019	-0.013	-0.019	-0.015	-0.010	-0.085	-0.082	-0.079	-0.082	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	
8.76	-0.795	-0.025	-0.024	-0.021	-0.025	-0.021	-0.016	-0.070	-0.070	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	
7.18	-0.832	-0.028	-0.025	-0.023	-0.028	-0.024	-0.020	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	-0.058	
5.56	-0.870	-0.058	-0.055	-0.056	-0.071	-0.072	-0.070	-0.084	-0.078	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	-0.086	
3.95	-0.906	-0.161	-0.159	-0.159	-0.191	-0.186	-0.189	-0.164	-0.161	-0.167	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	-0.164	
2.32	-0.943	-0.243	-0.250	-0.247	-0.285	-0.286	-0.285	-0.264	-0.268	-0.268	-0.268	-0.268	-0.268	-0.268	-0.268	-0.268	-0.268	-0.268	
1.54	-0.964	-0.206	-0.209	-0.221	-0.251	-0.253	-0.253	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264	-0.264	
0.73	-0.983	-0.111	-0.116	-0.104	-0.101	-0.109	-0.109	-0.114	-0.127	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	-0.137	
0.30	-0.993	-0.041	-0.045	-0.045	-0.024	-0.027	-0.027	-0.025	-0.013	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	
0.17	-0.996	-0.026	-0.028	-0.030	-0.006	-0.006	-0.007	0.017	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	
		$P_{t,1}/P_\infty = 9.00$			$P_{t,1}/P_\infty = 9.02$			$P_{t,1}/P_\infty = 9.03$			$P_{t,1}/P_\infty = 9.02$								
12.01	-0.719	-0.013	-0.009	0.000	-0.011	-0.006	0.004	-0.097	-0.094	-0.083	-0.097	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	
10.59	-0.757	-0.022	-0.021	-0.015	-0.022	-0.017	-0.011	-0.086	-0.083	-0.079	-0.086	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083	
8.76	-0.795	-0.025	-0.025	-0.023	-0.024	-0.024	-0.020	-0.070	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	-0.069	
7.18	-0.832	-0.039	-0.039	-0.036	-0.041	-0.037	-0.037	-0.064	-0.060	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	-0.059	
5.56	-0.870	-0.069	-0.071	-0.071	-0.071	-0.072	-0.072	-0.091	-0.084	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	
3.95	-0.906	-0.166	-0.167	-0.162	-0.195	-0.187	-0.191	-0.168	-0.164	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173	-0.173	
2.32	-0.943	-0.244	-0.249	-0.247	-0.293	-0.293	-0.292	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	
1.54	-0.964	-0.211	-0.212	-0.222	-0.252	-0.252	-0.252	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	-0.269	
0.73	-0.983	-0.116	-0.117	-0.122	-0.111	-0.109	-0.115	-0.128	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	-0.129	
0.30	-0.993	-0.052	-0.056	-0.051	-0.026	-0.026	-0.026	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	-0.038	
0.17	-0.996	-0.029	-0.031	-0.030	-0.019	-0.019	-0.017	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	
		$P_{t,1}/P_\infty = 11.05$			$P_{t,1}/P_\infty = 11.01$														
12.01	-0.719	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	
10.59	-0.757	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	
8.76	-0.795	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	
7.18	-0.832	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	-0.093	
5.56	-0.870	-0.098	-0.093	-0.093	-0.098	-0.093	-0.093	-0.09											

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody XIII - Concluded

 $t_j = 1,200^\circ \text{ F}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{c,j}/P_\infty = 2.00$			$P_{c,j}/P_\infty = 2.00$			$P_{c,j}/P_\infty = 1.90$			$P_{c,j}/P_\infty = 2.00$		
12.01	0.719	-0.013	-0.011	0.000	-0.007	-0.005	0.006	-0.008	-0.005	-0.003	-0.009	-0.008	-0.000
10.59	.757	-.020	-.018	-.015	-.017	-.015	-.009	-.007	-.005	-.003	-.006	-.004	-.002
8.76	.795	-.026	-.023	-.023	-.020	-.021	-.016	-.012	-.011	-.006	-.006	-.009	-.005
7.18	.832	-.041	-.037	-.037	-.036	-.036	-.035	-.006	-.000	-.000	-.004	-.003	-.002
5.56	.870	-.069	-.069	-.069	-.007	-.071	-.070	-.008	-.009	-.006	-.005	-.001	-.004
5.95	.908	-.161	-.156	-.156	-.180	-.182	-.185	-.160	-.160	-.168	-.185	-.192	-.136
2.50	.945	-.259	-.259	-.259	-.318	-.318	-.328	-.260	-.260	-.260	-.199	-.199	-.189
1.54	.983	-.191	-.191	-.199	-.220	-.224	-.233	-.307	-.303	-.304	-.180	-.215	-.261
.75	.985	-.075	-.074	-.078	-.060	-.062	-.068	-.044	-.052	-.060	-.315	-.291	-.295
.30	.995	.006	.004	.004	.022	.020	.019	.041	.034	.034	-.194	-.192	-.183
.17	.996	.026	.027	.027	.045	.045	.045	.057	.055	.057	-.150	-.128	-.128
		$P_{c,j}/P_\infty = 2.98$			$P_{c,j}/P_\infty = 3.00$			$P_{c,j}/P_\infty = 3.01$			$P_{c,j}/P_\infty = 3.00$		
12.01	.719	-.017	-.012	-.005	-.008	-.005	.006	-.007	-.005	-.003	-.008	-.007	-.000
10.59	.757	-.024	-.022	-.021	-.017	-.015	-.010	-.006	-.002	-.002	-.006	-.004	-.002
8.76	.795	-.029	-.027	-.024	-.020	-.023	-.015	-.012	-.009	-.005	-.001	-.000	-.005
7.18	.832	-.044	-.039	-.041	-.038	-.035	-.032	-.004	-.009	-.009	-.005	-.002	-.004
5.56	.870	-.071	-.075	-.071	-.069	-.070	-.069	-.009	-.009	-.007	-.005	-.002	-.004
5.95	.908	-.165	-.158	-.160	-.189	-.185	-.188	-.170	-.164	-.171	-.144	-.154	-.140
2.50	.945	-.240	-.245	-.245	-.318	-.306	-.321	-.265	-.267	-.260	-.199	-.199	-.170
1.54	.984	-.199	-.199	-.209	-.228	-.232	-.240	-.300	-.294	-.304	-.177	-.210	-.260
.75	.985	-.085	-.085	-.090	-.109	-.071	-.077	-.062	-.070	-.078	-.311	-.285	-.290
.30	.995	-.008	-.008	-.010	-.015	-.015	-.016	-.005	-.005	-.007	-.304	-.304	-.124
.17	.996	.014	.014	.012	.037	.036	.036	.051	.048	.049	-.148	-.144	-.140
		$P_{c,j}/P_\infty = 4.99$			$P_{c,j}/P_\infty = 5.01$			$P_{c,j}/P_\infty = 5.01$			$P_{c,j}/P_\infty = 5.04$		
12.01	.719	-.015	-.011	-.001	-.007	-.001	.006	-.008	-.004	-.004	-.009	-.007	-.004
10.59	.757	-.024	-.020	-.017	-.020	-.012	-.007	-.008	-.004	-.000	-.006	-.004	-.000
8.76	.795	-.027	-.026	-.026	-.020	-.019	-.015	-.012	-.010	-.007	-.002	-.000	-.004
7.18	.832	-.041	-.037	-.040	-.036	-.035	-.032	-.006	-.001	-.001	-.006	-.003	-.004
5.56	.870	-.069	-.071	-.071	-.069	-.070	-.069	-.009	-.001	-.007	-.004	-.003	-.000
5.95	.908	-.165	-.158	-.158	-.189	-.184	-.186	-.169	-.169	-.175	-.146	-.157	-.145
2.50	.945	-.241	-.240	-.241	-.319	-.325	-.321	-.269	-.268	-.268	-.199	-.199	-.177
1.54	.984	-.204	-.204	-.203	-.275	-.238	-.240	-.304	-.297	-.306	-.168	-.238	-.270
.75	.985	-.097	-.094	-.098	-.100	-.080	-.086	-.092	-.101	-.112	-.305	-.279	-.297
.30	.995	-.022	-.022	-.022	-.000	-.001	-.001	-.017	-.011	-.011	-.225	-.216	-.206
.17	.996	-.004	-.001	-.005	-.020	-.021	-.020	-.036	-.034	-.034	-.175	-.169	-.164
		$P_{c,j}/P_\infty = 6.99$			$P_{c,j}/P_\infty = 7.01$			$P_{c,j}/P_\infty = 7.00$			$P_{c,j}/P_\infty = 7.02$		
12.01	.719	-.010	-.006	.005	-.007	-.001	.006	-.100	-.094	-.086	-.098	-.090	-.041
10.59	.757	-.018	-.016	-.021	-.016	-.012	-.007	-.088	-.085	-.081	-.096	-.094	-.042
8.76	.795	-.022	-.021	-.020	-.020	-.018	-.015	-.072	-.070	-.067	-.085	-.081	-.057
7.18	.832	-.039	-.034	-.037	-.036	-.035	-.032	-.005	-.001	-.000	-.009	-.002	-.004
5.56	.870	-.068	-.069	-.067	-.069	-.070	-.068	-.008	-.008	-.006	-.008	-.005	-.000
5.95	.908	-.160	-.156	-.153	-.190	-.185	-.186	-.148	-.146	-.154	-.146	-.156	-.139
2.50	.945	-.242	-.245	-.246	-.320	-.330	-.326	-.272	-.272	-.266	-.174	-.194	-.189
1.54	.984	-.204	-.204	-.212	-.246	-.250	-.252	-.307	-.302	-.311	-.185	-.209	-.208
.75	.985	-.108	-.107	-.111	-.095	-.095	-.099	-.134	-.130	-.166	-.318	-.295	-.294
.30	.995	-.037	-.038	-.038	-.016	-.018	-.018	-.004	-.013	-.012	-.224	-.245	-.230
.17	.996	-.021	-.020	-.024	-.001	-.001	-.001	.018	.016	.016	-.218	-.212	-.202
		$P_{c,j}/P_\infty = 9.00$			$P_{c,j}/P_\infty = 9.05$			$P_{c,j}/P_\infty = 9.05$			$P_{c,j}/P_\infty = 9.04$		
12.01	.719	-.014	-.007	-.001	-.007	.000	.009	-.098	-.094	-.085	-.098	-.091	-.041
10.59	.757	-.019	-.017	-.014	-.015	-.010	-.006	-.087	-.084	-.080	-.093	-.097	-.055
8.76	.795	-.024	-.024	-.021	-.024	-.018	-.014	-.071	-.070	-.065	-.084	-.082	-.058
7.18	.832	-.038	-.036	-.037	-.039	-.031	-.030	-.005	-.000	-.000	-.006	-.003	-.002
5.56	.870	-.068	-.071	-.070	-.068	-.069	-.068	-.008	-.009	-.007	-.009	-.004	-.001
5.95	.908	-.160	-.156	-.158	-.187	-.184	-.187	-.168	-.157	-.165	-.145	-.157	-.140
2.50	.945	-.240	-.247	-.248	-.328	-.328	-.329	-.269	-.268	-.268	-.188	-.197	-.191
1.54	.984	-.209	-.209	-.218	-.249	-.251	-.258	-.306	-.309	-.308	-.185	-.207	-.260
.75	.985	-.112	-.111	-.115	-.101	-.099	-.105	-.160	-.152	-.161	-.300	-.296	-.294
.30	.995	-.045	-.049	-.048	-.025	-.029	-.026	-.019	-.028	-.027	-.262	-.258	-.256
.17	.996	-.031	-.035	-.034	-.010	-.011	-.007	.005	.005	.004	-.234	-.227	-.215
		$P_{c,j}/P_\infty = 11.02$			$P_{c,j}/P_\infty = 11.06$			$P_{c,j}/P_\infty = 11.02$			$P_{c,j}/P_\infty = 11.06$		
12.01	.719							-.095	-.091	-.083	-.090	-.048	-.039
10.59	.757							-.084	-.081	-.078	-.081	-.054	-.051
8.76	.795							-.087	-.086	-.082	-.081	-.060	-.055
7.18	.832							-.067	-.066	-.067	-.063	-.052	-.054
5.56	.870							-.054	-.054	-.051	-.051	-.052	-.048
5.95	.908							-.144	-.141	-.149	-.143	-.175	-.136
2.50	.945							-.257	-.266	-.260	-.175	-.195	-.189
1.54	.984							-.365	-.359	-.366	-.184	-.205	-.227
.75	.985							-.180	-.203	-.227	-.319	-.295	-.298
.30	.995							-.068	-.070	-.074	-.261	-.252	-.256
.17	.996							-.002	-.005	-.002	-.232	-.226	-.215

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody XIV

 $t_1 = \text{Cold}$

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 0.94$			$P_{t,1}/P_\infty = 0.92$			$P_{t,1}/P_\infty = 0.90$			$P_{t,1}/P_\infty = 0.88$		
7.95	0.722	-0.015	-0.003	0.027	-0.012	0.005	0.025	-0.153	-0.127	-0.098	-0.085	-0.078	-0.027
7.56	0.742	-0.004	0.000	0.000	-0.002	0.006	0.000	-0.104	-0.096	-0.086	-0.072	-0.062	0.000
6.79	0.762	-0.004	-0.006	0.000	-0.006	-0.001	0.006	-0.102	-0.095	-0.089	-0.077	-0.052	-0.044
5.65	0.802	-0.004	-0.011	-0.006	-0.006	-0.006	-0.001	-0.081	-0.081	-0.077	-0.061	-0.055	-0.051
4.51	0.842	-0.016	-0.012	-0.014	-0.011	-0.007	-0.009	-0.070	-0.069	-0.069	-0.064	-0.059	-0.055
3.37	0.882	-0.021	-0.021	-0.019	-0.017	-0.015	-0.015	-0.066	-0.065	-0.061	-0.054	-0.054	-0.054
2.22	0.922	-0.033	-0.026	-0.021	-0.029	-0.025	-0.026	-0.066	-0.062	-0.059	-0.052	-0.050	-0.051
1.65	0.942	-0.035	-0.030	-0.022	-0.032	-0.027	-0.026	-0.060	-0.056	-0.051	-0.046	-0.040	-0.037
1.05	0.962	-0.033	-0.030	-0.019	-0.033	-0.026	-0.026	-0.056	-0.051	-0.042	-0.032	-0.043	-0.040
.51	0.982	-0.058	-0.069	-0.067	-0.069	-0.068	-0.066	-0.041	-0.038	-0.035	-0.034	-0.016	0.004
.23	0.992	-0.088	-0.087	-0.087	-0.085	-0.090	-0.090	-0.045	-0.041	-0.038	-0.039	-0.019	-0.005
.11	0.996	-0.109	-0.112	-0.109	-0.117	-0.116	-0.116	-0.081	-0.082	-0.076	-0.074	-0.065	-0.048
		$P_{t,1}/P_\infty = 1.96$			$P_{t,1}/P_\infty = 1.97$			$P_{t,1}/P_\infty = 1.96$			$P_{t,1}/P_\infty = 1.96$		
7.95	0.722	-0.019	-0.005	0.015	-0.014	0.002	0.025	-0.152	-0.130	-0.099	-0.083	-0.075	-0.025
7.56	0.742	-0.007	0.000	0.000	-0.000	0.006	0.000	-0.106	-0.098	-0.088	-0.072	-0.061	0.000
6.79	0.762	-0.015	-0.006	0.000	-0.006	-0.001	0.007	-0.101	-0.095	-0.088	-0.075	-0.051	-0.043
5.65	0.802	-0.015	-0.011	-0.008	-0.009	-0.005	-0.005	-0.082	-0.079	-0.077	-0.068	-0.053	-0.051
4.51	0.842	-0.017	-0.015	-0.016	-0.012	-0.008	-0.011	-0.070	-0.064	-0.069	-0.058	-0.056	-0.051
3.37	0.882	-0.022	-0.023	-0.022	-0.018	-0.019	-0.019	-0.064	-0.063	-0.068	-0.050	-0.051	-0.052
2.22	0.922	-0.038	-0.034	-0.036	-0.033	-0.030	-0.033	-0.053	-0.053	-0.053	-0.053	-0.047	-0.049
1.65	0.942	-0.043	-0.036	-0.036	-0.036	-0.033	-0.032	-0.044	-0.049	-0.049	-0.042	-0.036	-0.036
1.05	0.962	-0.069	-0.065	-0.063	-0.065	-0.059	-0.058	-0.049	-0.045	-0.044	-0.048	-0.039	-0.033
.51	0.982	-0.097	-0.097	-0.095	-0.098	-0.092	-0.089	-0.045	-0.043	-0.040	-0.040	0.000	0.015
.23	0.992	-0.135	-0.131	-0.131	-0.131	-0.129	-0.128	-0.060	-0.058	-0.052	-0.041	-0.039	0.001
.11	0.996	-0.169	-0.169	-0.166	-0.171	-0.173	-0.168	-0.115	-0.113	-0.104	-0.092	-0.062	-0.048
		$P_{t,1}/P_\infty = 2.71 \text{ (max.)}$			$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 2.98$					
7.95	0.722	-0.020	-0.006	0.014	-0.015	0.000	0.025	-0.154	-0.130	-0.100			
7.56	0.742	-0.007	-0.001	0.000	-0.002	0.006	0.000	-0.107	-0.099	-0.088			
6.79	0.762	-0.015	-0.009	-0.001	-0.010	-0.005	-0.005	-0.105	-0.096	-0.090			
5.65	0.802	-0.016	-0.011	-0.009	-0.011	-0.007	-0.004	-0.083	-0.081	-0.079			
4.51	0.842	-0.018	-0.014	-0.017	-0.014	-0.010	-0.012	-0.071	-0.065	-0.070			
3.37	0.882	-0.023	-0.025	-0.024	-0.020	-0.021	-0.020	-0.064	-0.063	-0.061			
2.22	0.922	-0.040	-0.036	-0.038	-0.036	-0.033	-0.034	-0.052	-0.045	-0.042			
1.65	0.942	-0.046	-0.042	-0.041	-0.042	-0.036	-0.036	-0.043	-0.047	-0.048			
1.05	0.962	-0.072	-0.068	-0.067	-0.068	-0.064	-0.062	-0.047	-0.041	-0.042			
.51	0.982	-0.104	-0.103	-0.101	-0.100	-0.098	-0.095	-0.048	-0.047	-0.042			
.23	0.992	-0.142	-0.140	-0.140	-0.144	-0.141	-0.140	-0.066	-0.064	-0.057			
.11	0.996	-0.180	-0.183	-0.178	-0.189	-0.189	-0.184	-0.125	-0.125	-0.115			
											$P_{t,1}/P_\infty = 3.79 \text{ (max.)}$		
7.95	0.722										-0.084	-0.075	-0.025
7.56	0.742										-0.051	-0.042	0.000
6.79	0.762										-0.055	-0.051	-0.043
5.65	0.802										-0.059	-0.053	-0.054
4.51	0.842										-0.061	-0.057	-0.051
3.37	0.882										-0.049	-0.051	-0.051
2.22	0.922										-0.052	-0.048	-0.048
1.65	0.942										-0.041	-0.037	-0.034
1.05	0.962										-0.047	-0.039	-0.029
.51	0.982										-0.033	0.004	0.018
.23	0.992										-0.005	-0.007	0.001
.11	0.996										-0.048	-0.062	-0.049

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TABLE XII.- AFTERBODY PRESSURE COEFFICIENTS - Continued

(a) Afterbody XIV - Continued

 $t_1 = 800^\circ \text{ F}$

$\frac{x}{d}$	$\frac{x}{t_{max}}$	Pressure coefficients for -								
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,1}/P_\infty = 1.99$			$P_{t,1}/P_\infty = 2.05$			$P_{t,1}/P_\infty = 2.53$		
7.93	.722	-0.019	-0.006	0.015	-0.012	0.003	0.026	-0.158	-0.132	-0.101
7.36	.742	-.007	-.001	-.001	-.003	-.006	-.006	-.108	-.100	-.089
6.79	.762	-.015	-.008	-.001	-.008	-.001	-.007	-.105	-.096	-.089
6.22	.782	-.015	-.011	-.008	-.009	-.005	-.000	-.089	-.081	-.078
5.65	.802	-.016	-.012	-.015	-.011	-.007	-.010	-.070	-.065	-.069
5.07	.822	-.022	-.022	-.021	-.017	-.017	-.016	-.044	-.043	-.040
4.51	.842	-.022	-.023	-.024	-.022	-.026	-.030	-.009	-.012	-.012
3.94	.862	-.026	-.026	-.025	-.027	-.031	-.030	-.021	-.026	-.027
3.37	.882	-.028	-.028	-.028	-.028	-.032	-.032	-.006	-.011	-.012
2.82	.902	-.028	-.028	-.028	-.028	-.032	-.032	-.017	-.016	-.011
2.22	.922	-.028	-.028	-.028	-.028	-.032	-.032	-.028	-.028	-.022
1.65	.942	-.028	-.028	-.028	-.028	-.032	-.032	-.028	-.028	-.022
1.08	.962	-.028	-.028	-.028	-.028	-.032	-.032	-.028	-.028	-.022
.51	.982	-.028	-.028	-.028	-.028	-.032	-.032	-.028	-.028	-.022
.23	.992	-.028	-.028	-.028	-.028	-.032	-.032	-.028	-.028	-.022
.11	.996	-.028	-.028	-.028	-.028	-.032	-.032	-.028	-.028	-.022
		$P_{t,1}/P_\infty = 2.98$			$P_{t,1}/P_\infty = 2.99$			$P_{t,1}/P_\infty = 2.87$		
7.93	.722	-.025	-.010	.011	-.015	.003	.025	-.155	-.130	-.100
7.36	.742	-.025	-.009	-.001	-.009	-.008	-.007	-.107	-.099	-.088
6.79	.762	-.025	-.010	-.001	-.009	-.008	-.007	-.104	-.096	-.088
6.22	.782	-.025	-.010	-.001	-.009	-.008	-.007	-.088	-.082	-.077
5.65	.802	-.025	-.010	-.001	-.009	-.008	-.007	-.071	-.066	-.070
5.07	.822	-.025	-.010	-.001	-.009	-.008	-.007	-.056	-.055	-.053
4.51	.842	-.025	-.010	-.001	-.009	-.008	-.007	-.041	-.040	-.039
3.94	.862	-.025	-.010	-.001	-.009	-.008	-.007	-.026	-.025	-.024
3.37	.882	-.025	-.010	-.001	-.009	-.008	-.007	-.011	-.010	-.009
2.82	.902	-.025	-.010	-.001	-.009	-.008	-.007	-.006	-.005	-.004
2.22	.922	-.025	-.010	-.001	-.009	-.008	-.007	-.001	-.001	-.001
1.65	.942	-.025	-.010	-.001	-.009	-.008	-.007	-.001	-.001	-.001
1.08	.962	-.025	-.010	-.001	-.009	-.008	-.007	-.001	-.001	-.001
.51	.982	-.025	-.010	-.001	-.009	-.008	-.007	-.001	-.001	-.001
.23	.992	-.025	-.010	-.001	-.009	-.008	-.007	-.001	-.001	-.001
.11	.996	-.025	-.010	-.001	-.009	-.008	-.007	-.001	-.001	-.001
		$P_{t,1}/P_\infty = 4.00$			$P_{t,1}/P_\infty = 4.00$			$P_{t,1}/P_\infty = 3.98$		
7.93	.722	-.015	.003	.025	-.015	.003	.025	-.081	-.053	-.023
7.36	.742	-.001	.008	-.001	-.001	.006	-.001	-.045	-.039	-.041
6.79	.762	-.009	-.001	-.006	-.009	-.001	-.001	-.033	-.048	-.041
6.22	.782	-.010	-.007	-.001	-.010	-.007	-.001	-.027	-.052	-.048
5.65	.802	-.012	-.009	-.011	-.012	-.009	-.011	-.023	-.052	-.050
5.07	.822	-.012	-.009	-.011	-.012	-.009	-.011	-.019	-.052	-.050
4.51	.842	-.012	-.009	-.011	-.012	-.009	-.011	-.015	-.047	-.047
3.94	.862	-.012	-.009	-.011	-.012	-.009	-.011	-.011	-.042	-.043
3.37	.882	-.012	-.009	-.011	-.012	-.009	-.011	-.007	-.037	-.035
2.82	.902	-.012	-.009	-.011	-.012	-.009	-.011	-.003	-.034	-.035
2.22	.922	-.012	-.009	-.011	-.012	-.009	-.011	-.001	-.031	-.031
1.65	.942	-.012	-.009	-.011	-.012	-.009	-.011	-.001	-.028	-.028
1.08	.962	-.012	-.009	-.011	-.012	-.009	-.011	-.001	-.025	-.025
.51	.982	-.012	-.009	-.011	-.012	-.009	-.011	-.001	-.022	-.022
.23	.992	-.012	-.009	-.011	-.012	-.009	-.011	-.001	-.019	-.019
.11	.996	-.012	-.009	-.011	-.012	-.009	-.011	-.001	-.016	-.016
		$P_{t,1}/P_\infty = 4.97 \text{ (max.)}$			$P_{t,1}/P_\infty = 5.01$			$P_{t,1}/P_\infty = 4.99$		
7.93	.722	-.021	-.007	.013	-.015	.003	.025	-.152	-.129	-.100
7.36	.742	-.008	-.002	-.001	-.001	.007	-.001	-.107	-.099	-.088
6.79	.762	-.010	-.008	-.001	-.010	-.002	-.006	-.104	-.096	-.088
6.22	.782	-.010	-.008	-.001	-.010	-.002	-.006	-.088	-.082	-.077
5.65	.802	-.010	-.008	-.001	-.010	-.002	-.006	-.071	-.066	-.070
5.07	.822	-.010	-.008	-.001	-.010	-.002	-.006	-.056	-.055	-.053
4.51	.842	-.010	-.008	-.001	-.010	-.002	-.006	-.041	-.040	-.039
3.94	.862	-.010	-.008	-.001	-.010	-.002	-.006	-.026	-.025	-.024
3.37	.882	-.010	-.008	-.001	-.010	-.002	-.006	-.011	-.010	-.009
2.82	.902	-.010	-.008	-.001	-.010	-.002	-.006	-.006	-.005	-.004
2.22	.922	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
1.65	.942	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
1.08	.962	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
.51	.982	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
.23	.992	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
.11	.996	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
		$P_{t,1}/P_\infty = 5.81 \text{ (max.)}$			$P_{t,1}/P_\infty = 5.81 \text{ (max.)}$			$P_{t,1}/P_\infty = 6.75 \text{ (max.)}$		
7.93	.722	-.021	-.007	.013	-.015	.003	.025	-.152	-.129	-.100
7.36	.742	-.008	-.002	-.001	-.001	.007	-.001	-.107	-.099	-.088
6.79	.762	-.010	-.008	-.001	-.010	-.002	-.006	-.104	-.096	-.088
6.22	.782	-.010	-.008	-.001	-.010	-.002	-.006	-.088	-.082	-.077
5.65	.802	-.010	-.008	-.001	-.010	-.002	-.006	-.071	-.066	-.070
5.07	.822	-.010	-.008	-.001	-.010	-.002	-.006	-.056	-.055	-.053
4.51	.842	-.010	-.008	-.001	-.010	-.002	-.006	-.041	-.040	-.039
3.94	.862	-.010	-.008	-.001	-.010	-.002	-.006	-.026	-.025	-.024
3.37	.882	-.010	-.008	-.001	-.010	-.002	-.006	-.011	-.010	-.009
2.82	.902	-.010	-.008	-.001	-.010	-.002	-.006	-.006	-.005	-.004
2.22	.922	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
1.65	.942	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
1.08	.962	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
.51	.982	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
.23	.992	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001
.11	.996	-.010	-.008	-.001	-.010	-.002	-.006	-.001	-.001	-.001

TABLE III.- AFTERBODY PRESSURE COEFFICIENTS - Concluded

(c) Afterbody XIV - Concluded

 $t_2 = 1,800^\circ \text{F}$

$\frac{x}{t_{max}}$	$\frac{x}{t_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
		$P_{t,2}/P_\infty = 2.22 \text{ (min.)}$			$P_{t,2}/P_\infty = 2.75 \text{ (min.)}$			$P_{t,2}/P_\infty = 2.87 \text{ (min.)}$					
7.95	0.722	-0.018	-0.002	0.018	-0.015	0.005	0.025	-0.152	-0.129	-0.099			
7.36	.742	-.005	.005	-.005	-.005	.005	-.005	-.105	-.094	-.087			
6.79	.762	-.012	-.006	.002	-.007	.001	.009	-.105	-.094	-.073			
6.22	.802	-.012	-.009	-.004	-.007	-.004	.001	-.082	-.081	-.073			
5.65	.842	-.013	-.011	-.012	-.009	-.005	-.008	-.070	-.064	-.068			
5.07	.882	-.019	-.019	-.018	-.015	-.014	-.014	-.050	-.049	-.048			
4.50	.922	-.035	-.030	-.030	-.029	-.026	-.026	.009	.012	.011			
3.93	.962	-.035	-.035	-.031	-.034	-.030	-.022	.024	.027	.026			
3.36	.982	-.061	-.057	-.059	-.059	-.055	-.051	.010	.012	.015			
2.79	.982	-.082	-.082	-.084	-.085	-.084	-.082	-.015	-.012	-.008			
2.22	.992	-.117	-.114	-.114	-.122	-.119	-.118	-.057	-.054	-.049			
1.65	.996	-.147	-.148	-.145	-.159	-.158	-.152	-.107	-.108	-.099			
1.08													
.51													
.23													
.11													
		$P_{t,2}/P_\infty = 2.98$			$P_{t,2}/P_\infty = 3.00$			$P_{t,2}/P_\infty = 2.95$			$P_{t,2}/P_\infty = 2.97 \text{ (min.)}$		
7.95	.722	-.018	-.004	.015	-.012	.005	.026	-.159	-.134	-.105	-.081	-.054	-.022
7.36	.742	-.005	.001	-.001	-.001	.009	-.001	-.109	-.101	-.090	-.089	-.040	-.041
6.79	.762	-.014	-.006	.005	-.008	.001	.011	-.105	-.095	-.090	-.093	-.049	-.041
6.22	.802	-.012	-.010	-.007	-.008	-.005	.003	-.082	-.080	-.077	-.076	-.051	-.048
5.65	.842	-.012	-.008	-.015	-.010	-.008	-.008	-.068	-.064	-.068	-.060	-.055	-.058
5.07	.882	-.016	-.016	-.016	-.016	-.016	-.014	-.046	-.045	-.044	-.050	-.049	-.050
4.50	.922	-.029	-.025	-.027	-.031	-.025	-.025	.008	.010	.009	-.021	-.045	-.047
3.93	.962	-.032	-.030	-.028	-.035	-.031	-.029	.019	.022	.027	-.043	-.056	-.054
3.36	.982	-.056	-.053	-.051	-.059	-.053	-.057	-.022	.007	.010	-.043	-.056	-.054
2.79	.982	-.082	-.082	-.081	-.086	-.086	-.082	-.019	-.018	-.014	-.036	-.017	-.004
2.22	.992	-.114	-.115	-.112	-.125	-.122	-.120	-.065	-.060	-.055	-.047	-.023	-.008
1.65	.996	-.146	-.148	-.145	-.165	-.165	-.159	-.114	-.113	-.105	-.087	-.054	-.054
1.08													
.51													
.23													
.11													
		$P_{t,2}/P_\infty = 3.01$			$P_{t,2}/P_\infty = 4.97$			$P_{t,2}/P_\infty = 4.99$			$P_{t,2}/P_\infty = 4.97$		
7.95	.722	-.017	-.005	.017	-.010	.005	.024	-.153	-.129	-.100	-.082	-.055	-.024
7.36	.742	-.006	.002	-.001	-.001	.009	-.001	-.106	-.098	-.087	-.090	-.041	-.041
6.79	.762	-.012	-.005	.004	-.005	.005	.001	-.105	-.094	-.087	-.093	-.050	-.043
6.22	.802	-.012	-.008	-.005	-.007	-.005	.001	-.082	-.081	-.077	-.076	-.053	-.050
5.65	.842	-.012	-.007	-.010	-.009	-.005	-.007	-.070	-.064	-.068	-.060	-.056	-.060
5.07	.882	-.017	-.015	-.015	-.014	-.012	-.012	-.045	-.045	-.044	-.050	-.049	-.050
4.50	.922	-.030	-.026	-.028	-.036	-.028	-.024	.012	.014	.012	-.051	-.047	-.047
3.93	.962	-.037	-.034	-.031	-.032	-.028	-.026	.024	.027	.028	-.042	-.036	-.034
3.36	.982	-.062	-.059	-.056	-.057	-.053	-.051	.008	.012	.014	-.047	-.041	-.034
2.79	.982	-.097	-.095	-.094	-.096	-.096	-.094	-.017	-.016	-.012	-.026	-.006	-.015
2.22	.992	-.159	-.157	-.158	-.170	-.168	-.166	-.065	-.065	-.059	-.036	-.017	-.004
1.65	.996	-.190	-.182	-.173	-.174	-.174	-.170	-.129	-.130	-.118	-.070	-.072	-.055
1.08													
.51													
.23													
.11													
		$P_{t,2}/P_\infty = 5.73 \text{ (max.)}$			$P_{t,2}/P_\infty = 6.31 \text{ (max.)}$			$P_{t,2}/P_\infty = 6.99$			$P_{t,2}/P_\infty = 6.99$		
7.95	.722	-.019	-.005	.014	-.012	.002	.025	-.155	-.130	-.101	-.083	-.055	-.025
7.36	.742	-.007	-.001	-.001	-.001	.009	-.001	-.106	-.099	-.087	-.090	-.041	-.041
6.79	.762	-.014	-.007	.002	-.007	.001	.010	-.105	-.094	-.087	-.093	-.050	-.043
6.22	.802	-.013	-.011	-.006	-.007	-.004	.001	-.081	-.080	-.077	-.076	-.053	-.050
5.65	.842	-.013	-.010	-.013	-.008	-.005	.009	-.067	-.061	-.064	-.061	-.056	-.060
5.07	.882	-.019	-.018	-.017	-.015	-.015	-.015	-.046	-.046	-.045	-.051	-.049	-.050
4.50	.922	-.034	-.029	-.030	-.036	-.028	-.025	.019	.022	.020	-.045	-.037	-.035
3.93	.962	-.040	-.036	-.030	-.033	-.028	-.026	.026	.020	.021	-.043	-.034	-.036
3.36	.982	-.067	-.064	-.061	-.061	-.057	-.054	.008	.012	.014	-.048	-.042	-.036
2.79	.982	-.105	-.105	-.102	-.099	-.097	-.095	-.021	-.019	-.015	-.031	-.011	-.008
2.22	.992	-.153	-.152	-.151	-.152	-.149	-.145	-.077	-.073	-.065	-.037	-.021	-.008
1.65	.996	-.198	-.200	-.197	-.207	-.206	-.199	-.147	-.147	-.132	-.083	-.077	-.059
1.08													
.51													
.23													
.11													

TABLE IV.- FOREBODY PRESSURE COEFFICIENTS

[No Jet flow]

$\frac{x}{d_j}$	$\frac{x}{l_{max}}$	Pressure coefficients for -											
		$M_\infty = 0.80$			$M_\infty = 0.90$			$M_\infty = 1.00$			$M_\infty = 1.10$		
		$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$	$\theta = 0^\circ$	$\theta = 45^\circ$	$\theta = 72^\circ$
Afterbody 1													
40.96	0.042	0.180	0.119	0.117	0.137	0.192	0.131	0.170	0.166	0.165	0.180	0.177	0.183
38.56	.098	.065	.064	.064	.073	.072	.071	.096	.092	.092	.115	.124	.118
36.12	.155	.011	.006	.012	.012	.006	.013	.014	.007	.013	.045	.035	.039
33.73	.211	.009	-.006	.003	.002	-.005	.006	.010	.000	.011	.021	.020	.020
31.29	.268	-.026	-.025	-.012	-.028	-.028	-.013	-.077	-.079	-.064	-.035	-.035	-.020
28.90	.324	-.008	-.008	-.006	-.006	-.006	-.009	.023	.021	.022	-.021	-.020	-.018
26.46	.381	.012	.035	.027	.035	.021	.074	.092	.109	.131	-.048	-.045	-.047
24.05	.438	-.006	-.014	-.021	.023	.018	.012	.165	.101	.097	.128	.119	.110
21.63	.494	-.069	-.117	-.159	-.079	-.105	-.137	.005	-.020	-.044	.061	.026	.018
20.01	.552	-.137	-.158	-.239	-.165	-.215	-.265	-.073	-.126	-.178	.006	-.040	-.035
18.58	.610	-.122	-.161	-.199	-.206	-.260	-.313	-.144	-.201	-.258	-.014	-.073	-.134
16.84	.666	-.090	-.108	-.125	-.140	-.160	-.175	-.158	-.227	-.261	-.058	-.082	-.111
15.22	.681	-.077	-.043	-.004	-.064	-.046	-.008	-.228	-.218	-.139	-.102	-.106	-.092
13.64	.681	-.055	-.019	-.003	-.033	-.015	.009	-.157	-.131	-.099	-.085	-.094	-.021
12.85	.700	-.031	-.020	-.001	-.026	-.015	.005	-.113	-.099	-.065	-.047	-.032	-.015
Afterbody 6													
27.27	.044	.115	.112	.112	.131	.130	.136	.167	.164	.168	.179	.178	.186
25.56	.104	.067	.059	.062	.075	.070	.073	.099	.092	.096	.116	.120	.124
23.85	.164	.006	.005	.007	.011	.006	.010	.014	.009	.016	.044	.040	.042
22.13	.224	.003	-.008	-.001	.007	-.004	.002	.015	.001	.010	.023	.018	.026
20.42	.284	-.022	-.039	-.017	-.022	-.027	-.015	-.074	-.079	-.065	-.051	-.035	-.025
18.71	.344	-.011	-.010	-.008	-.005	-.005	-.003	.022	.018	.020	-.020	-.026	-.015
17.00	.404	.009	.031	.025	.024	.024	.072	.092	.106	.135	-.044	-.053	-.058
15.29	.464	-.008	-.013	-.018	.022	.022	.018	.156	.104	.102	.132	.123	.113
13.58	.524	-.069	-.119	-.175	-.076	-.105	-.132	.005	-.019	-.039	.029	.022	.009
12.44	.584	-.136	-.188	-.239	-.159	-.212	-.265	-.070	-.120	-.171	.002	-.043	-.089
11.30	.644	-.118	-.156	-.199	-.205	-.256	-.310	-.143	-.201	-.258	-.015	-.072	-.129
10.21	.682	-.091	-.107	-.119	-.130	-.150	-.166	-.186	-.225	-.250	-.095	-.085	-.114
9.07	.682	-.055	-.042	-.002	-.056	-.043	-.001	-.223	-.212	-.134	-.101	-.105	-.070

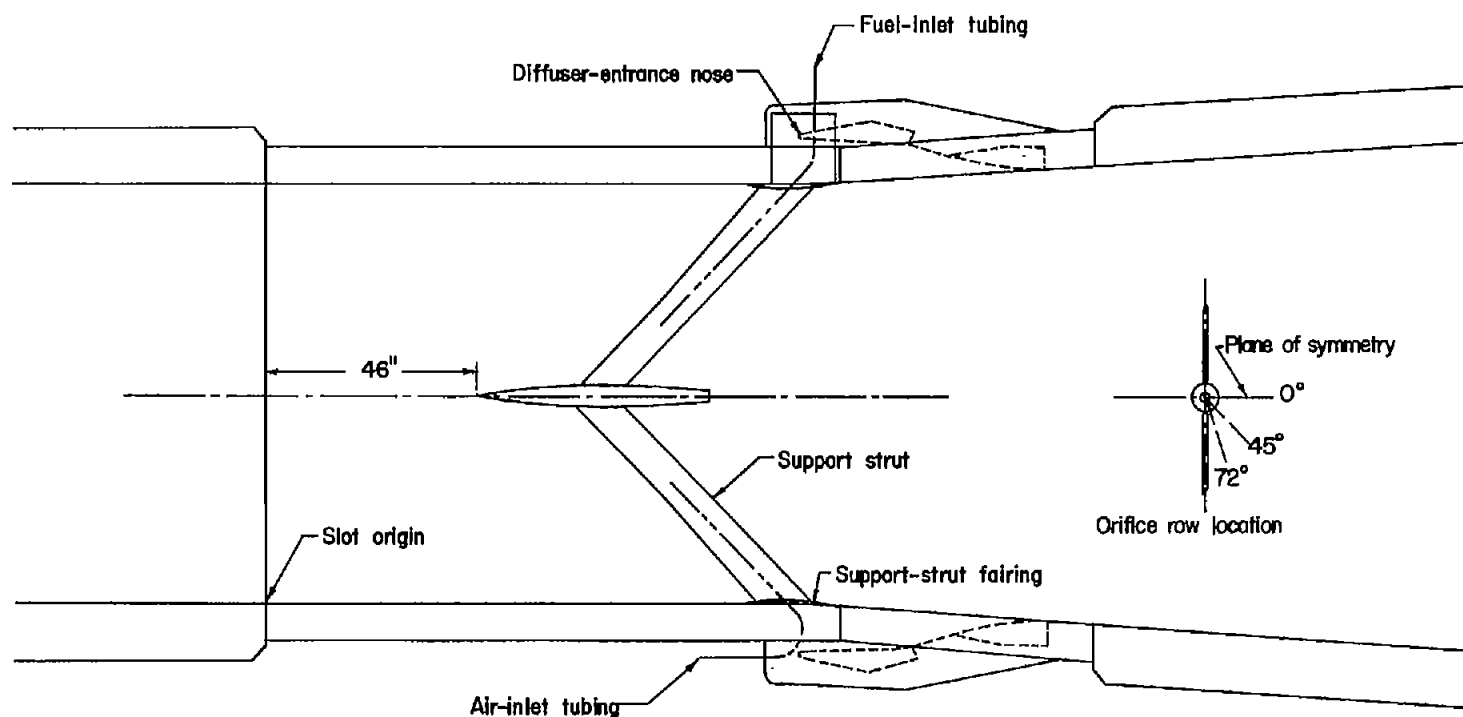
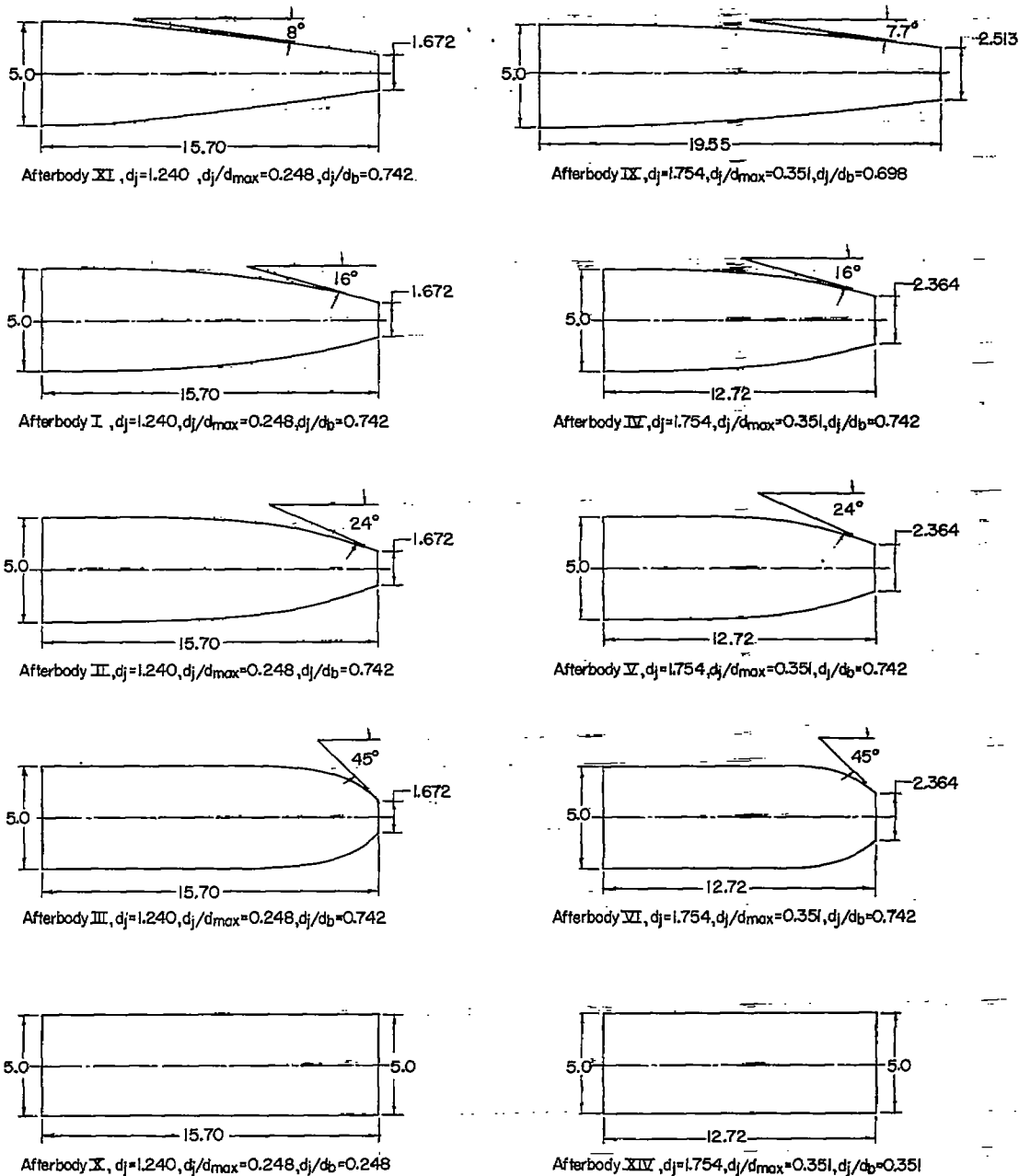
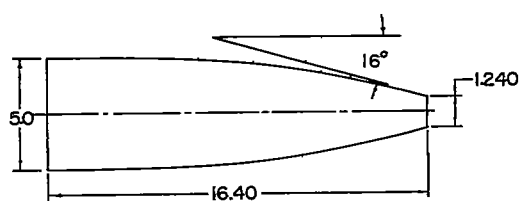
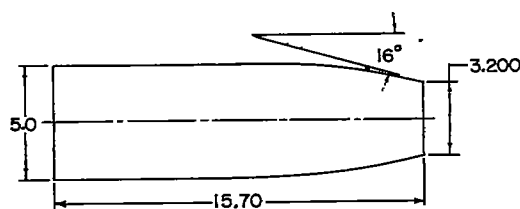
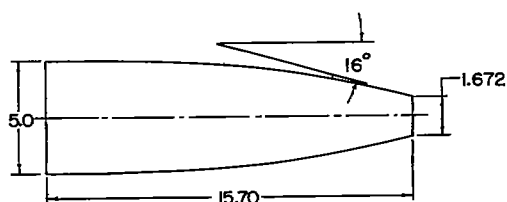
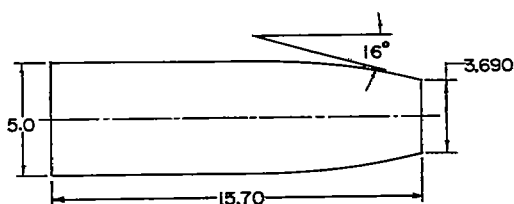
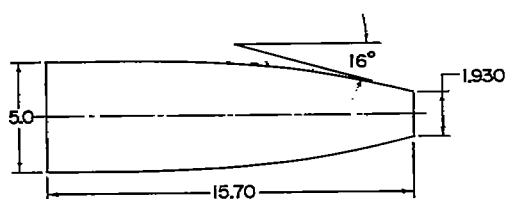
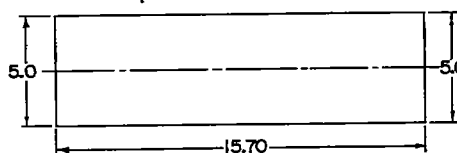
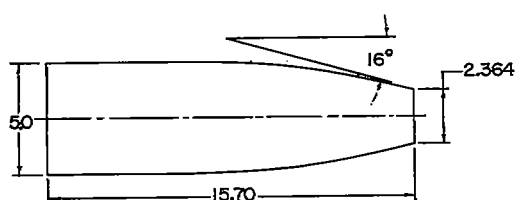
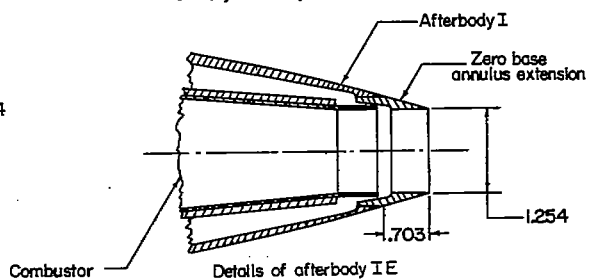


Figure 1.- Turbojet-simulator model in Langley 8-foot transonic tunnel.



(a) Shapes used to study the effects of β and d_j/d_{max} .

Figure 2.- Drawing of afterbody shapes investigated. All dimensions are in inches unless otherwise noted.

Afterbody I E, $d_j = 1.240$, $d_j/d_{\max} = 0.248$, $d_j/d_b = 1.000$ Afterbody XII, $d_j = 1.240$, $d_j/d_{\max} = 0.248$, $d_j/d_b = 0.388$ Afterbody I, $d_j = 1.240$, $d_j/d_{\max} = 0.248$, $d_j/d_b = 0.742$ Afterbody XIII, $d_j = 1.240$, $d_j/d_{\max} = 0.248$, $d_j/d_b = 0.336$ Afterbody VII, $d_j = 1.240$, $d_j/d_{\max} = 0.248$, $d_j/d_b = 0.643$ Afterbody X, $d_j = 1.240$, $d_j/d_{\max} = 0.248$, $d_j/d_b = 0.248$ Afterbody VIII, $d_j = 1.240$, $d_j/d_{\max} = 0.248$, $d_j/d_b = 0.525$ 

(b) Shapes used to study the effects of d_j/d_b .

Figure 2.- Concluded.

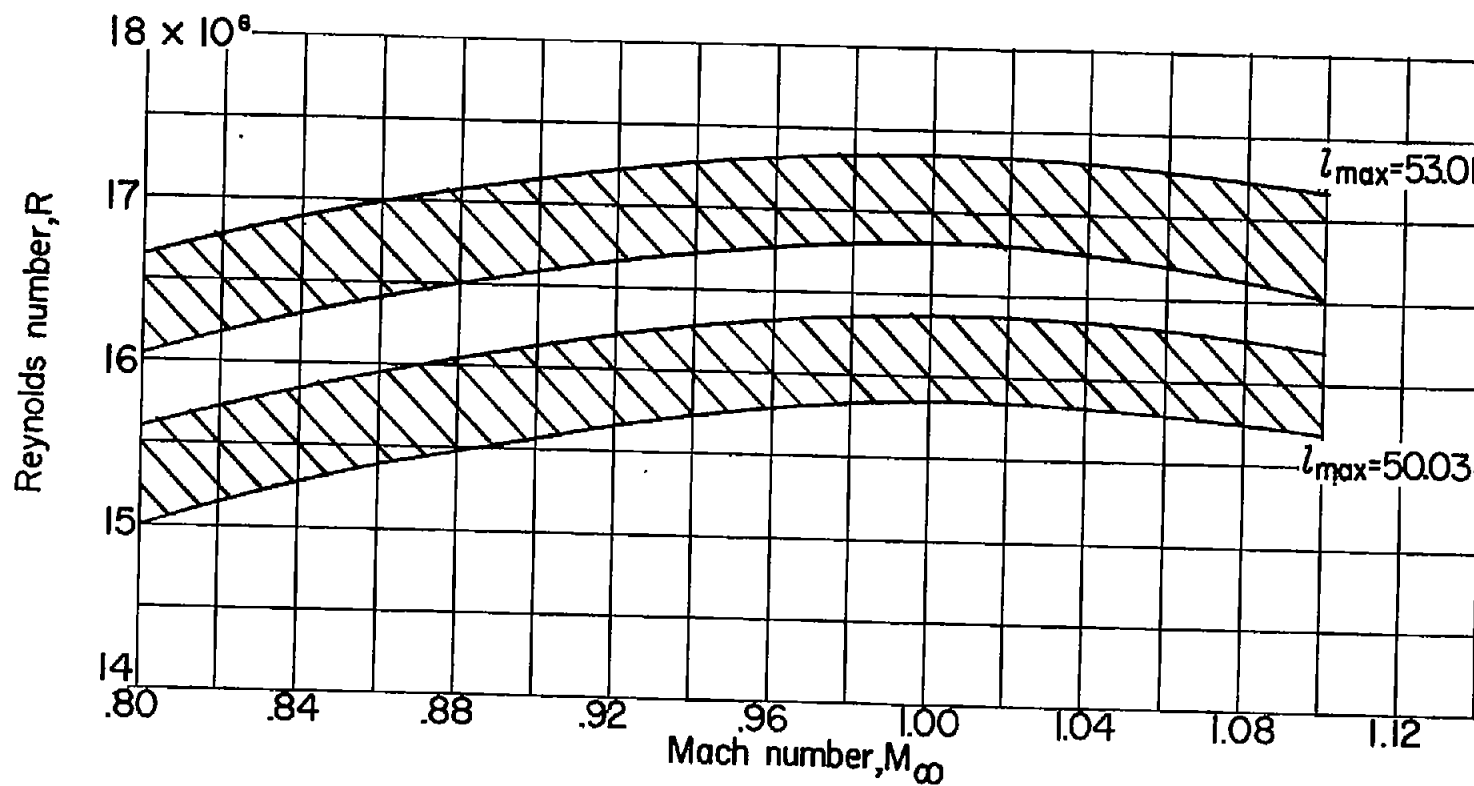
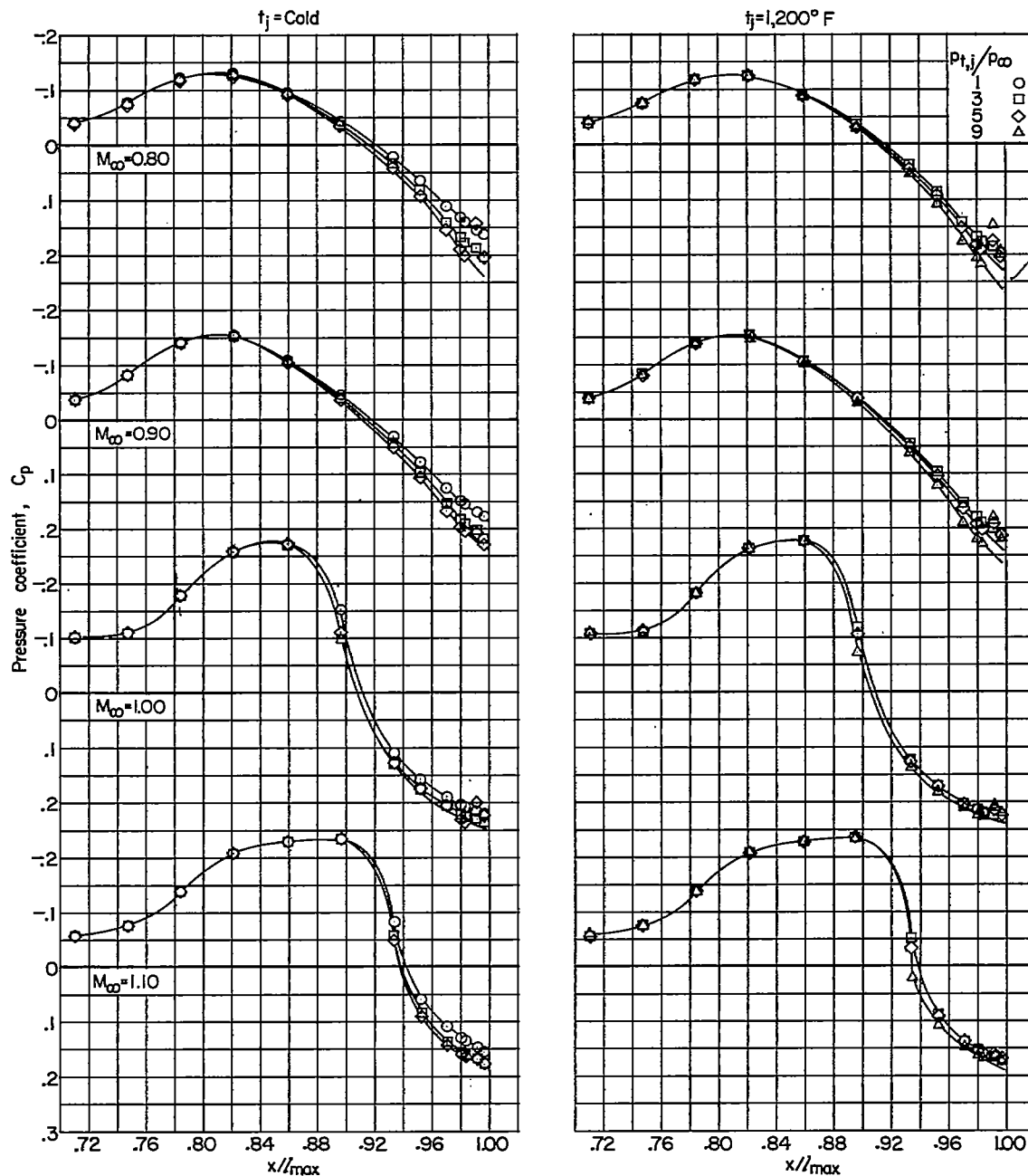


Figure 3.- Variation of Reynolds number, based on body length, with Mach number.

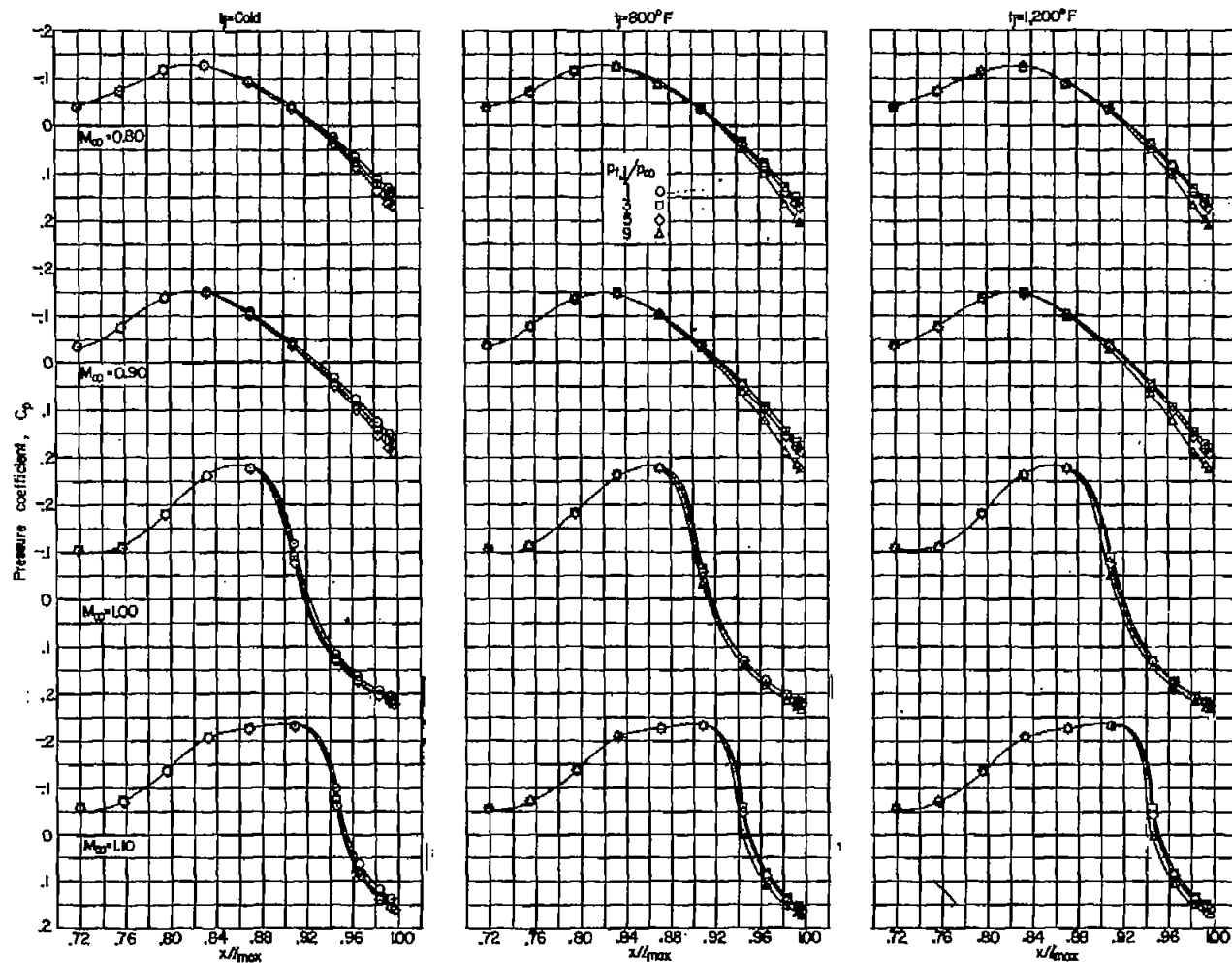
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(a) Afterbody IE.

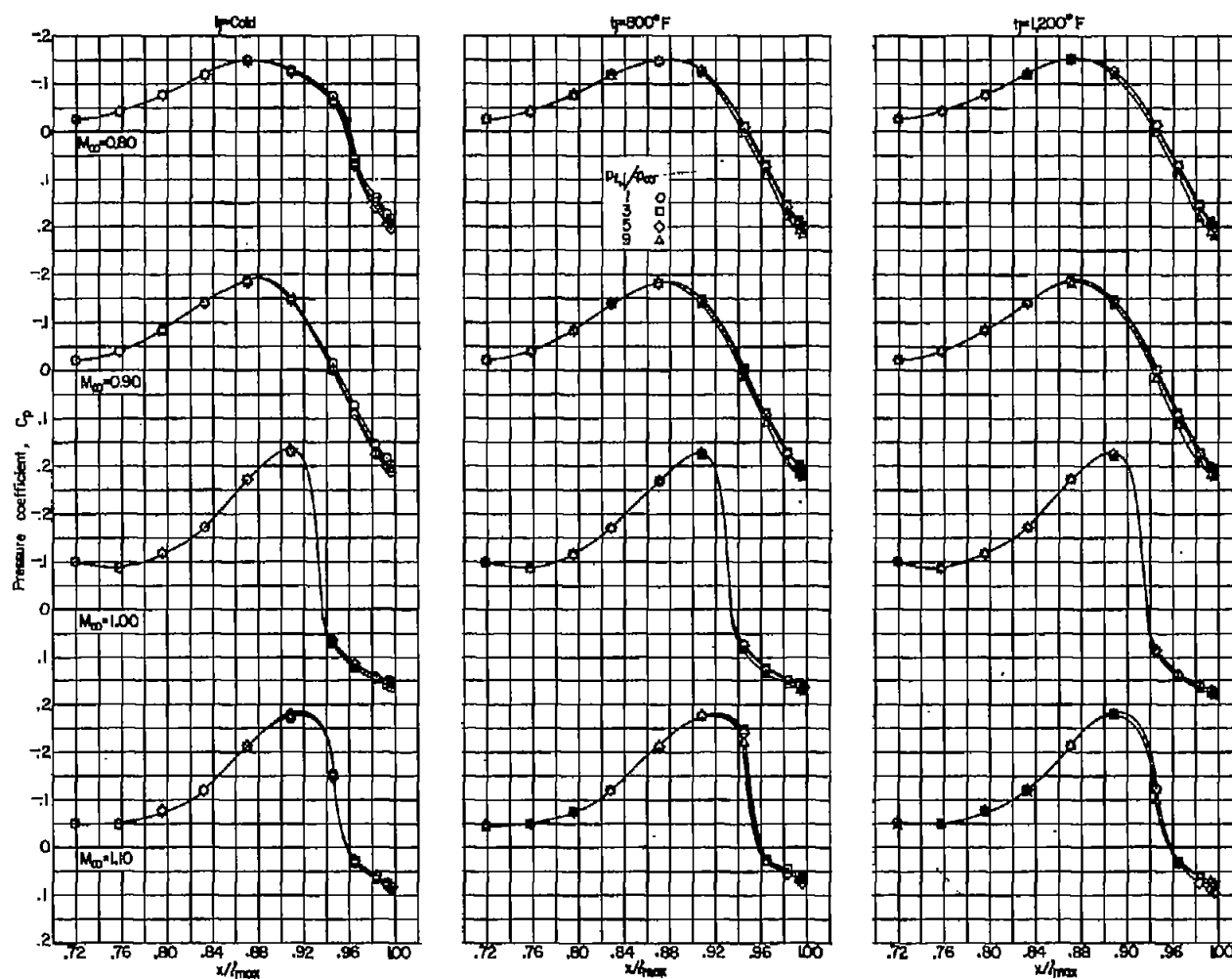
Figure 4.- Variation of local-pressure coefficients along the 0° meridian for the afterbodies investigated.

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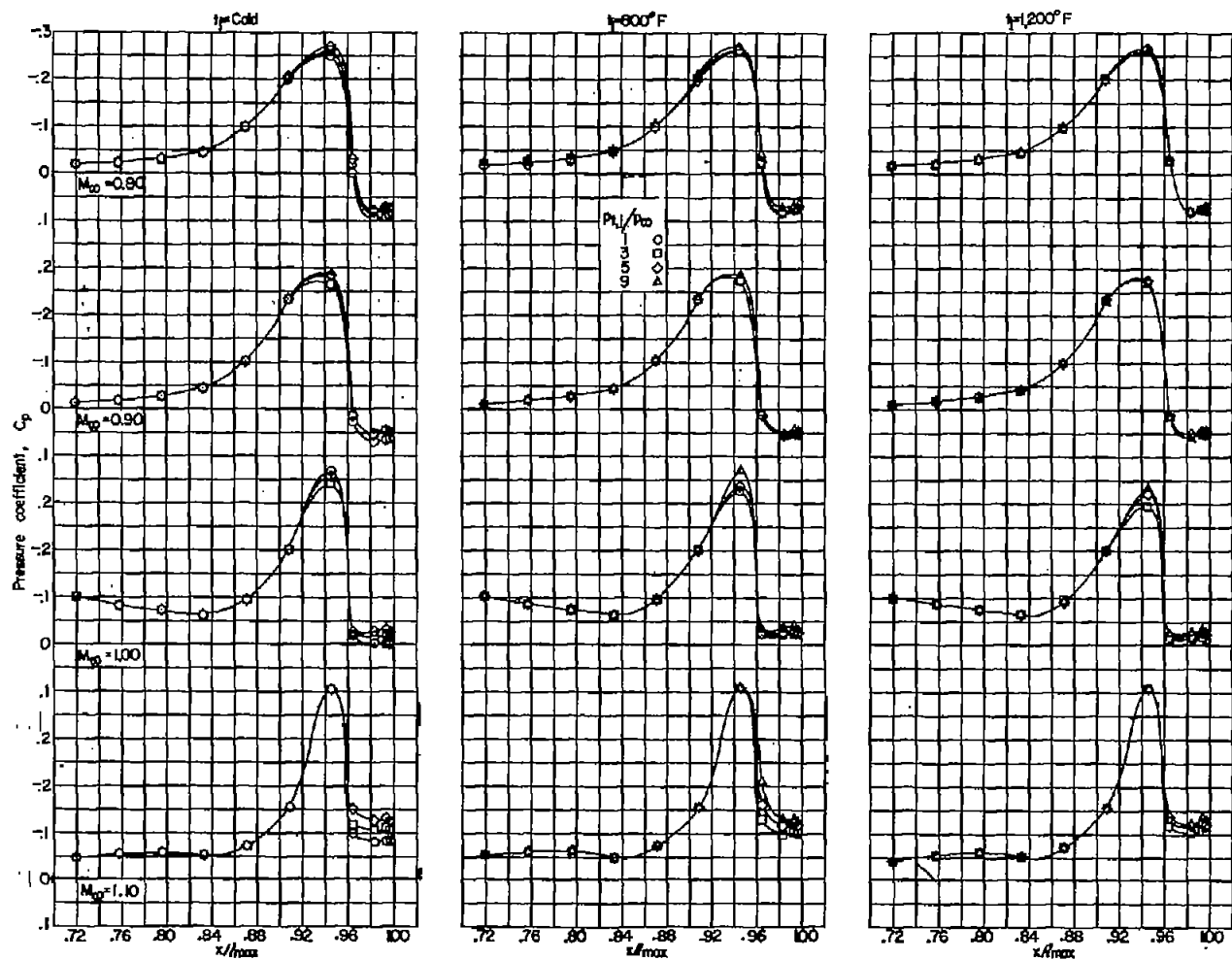
(b) Afterbody I.

Figure 4.- Continued.



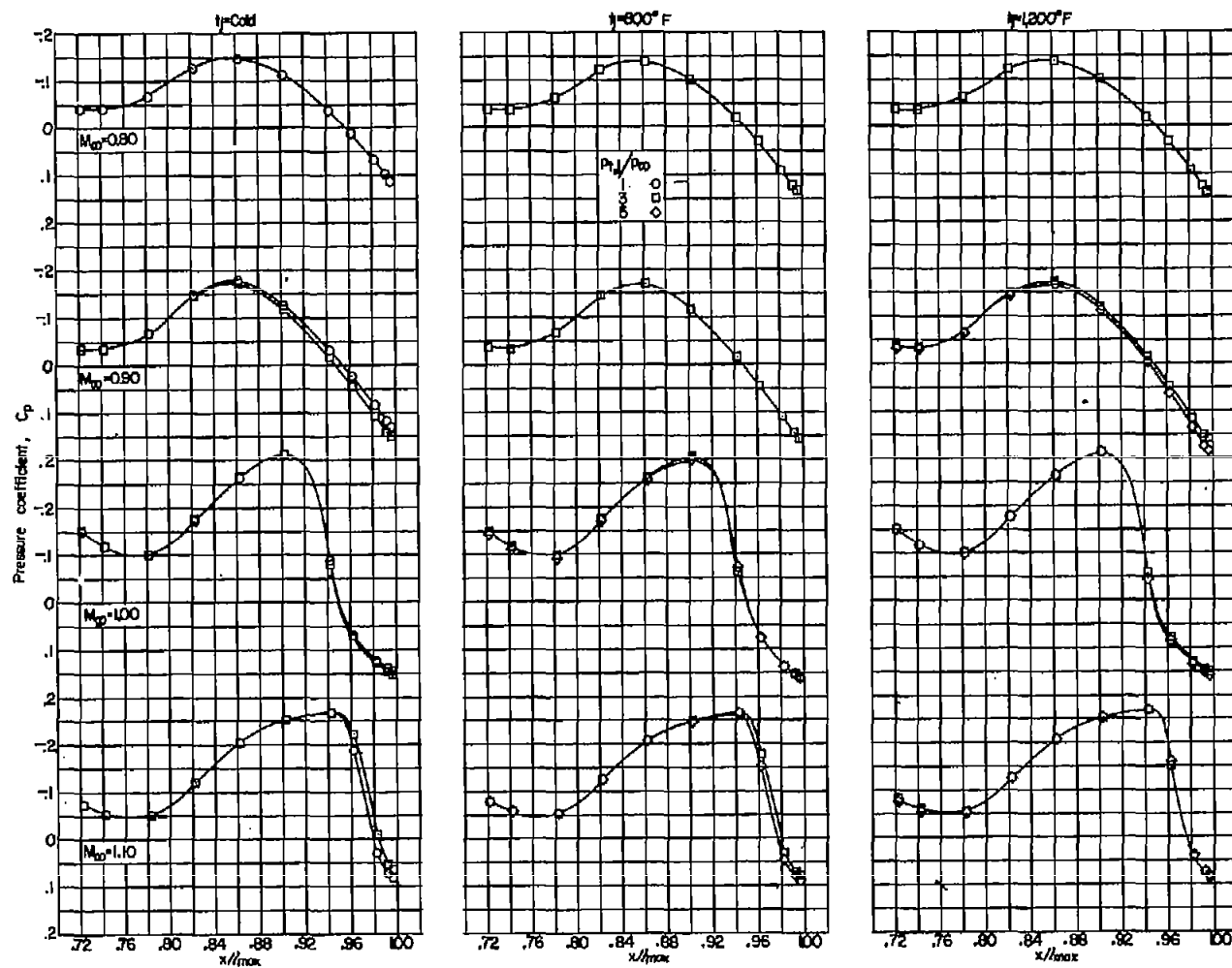
(c) Afterbody II.

Figure 4.- Continued.



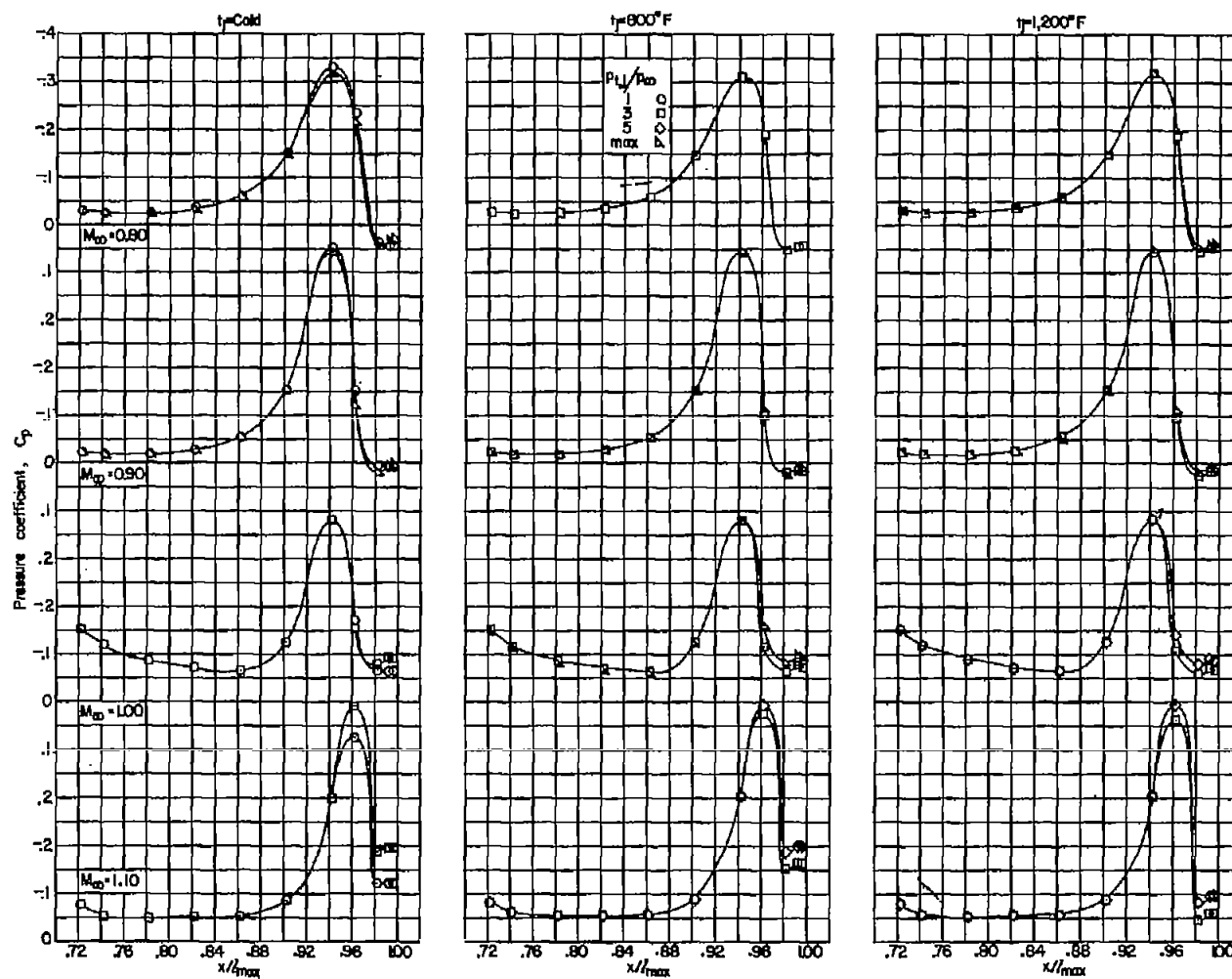
(d) Afterbody III.

Figure 4.- Continued.



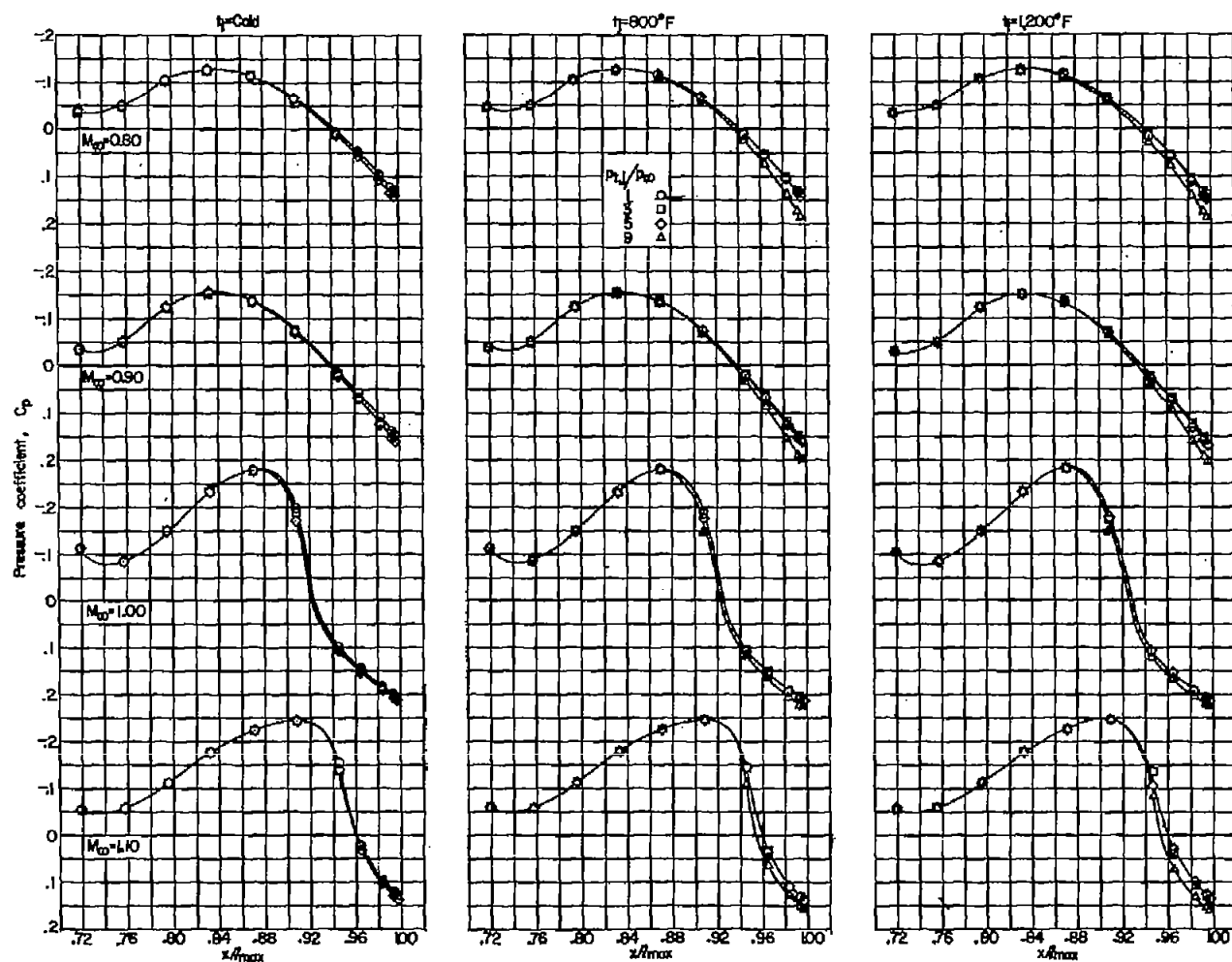
(e) Afterbody IV.

Figure 4.- Continued.



(g) Afterbody VI.

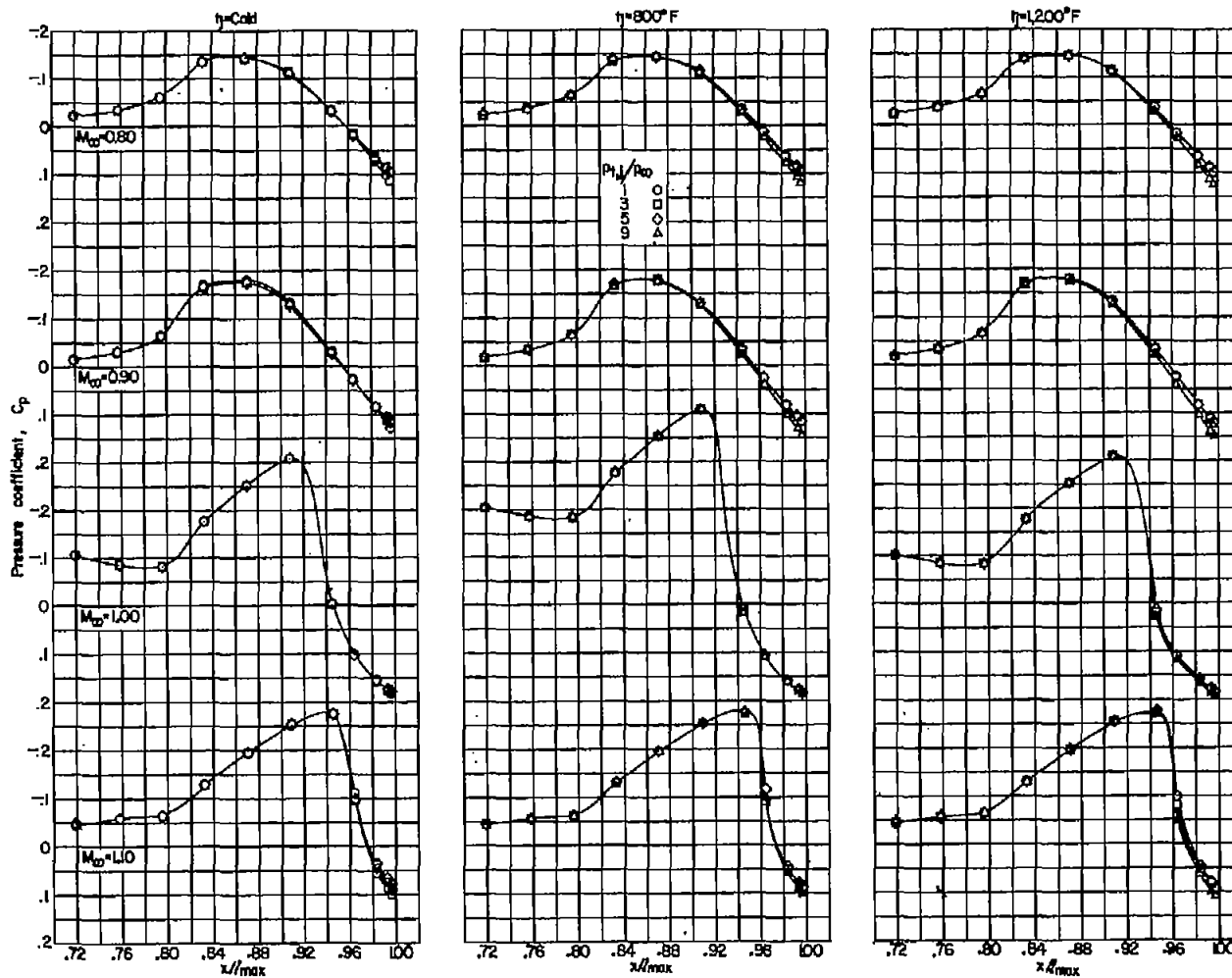
Figure 4.- Continued.



(h) Afterbody VII.

Figure 4.- Continued.

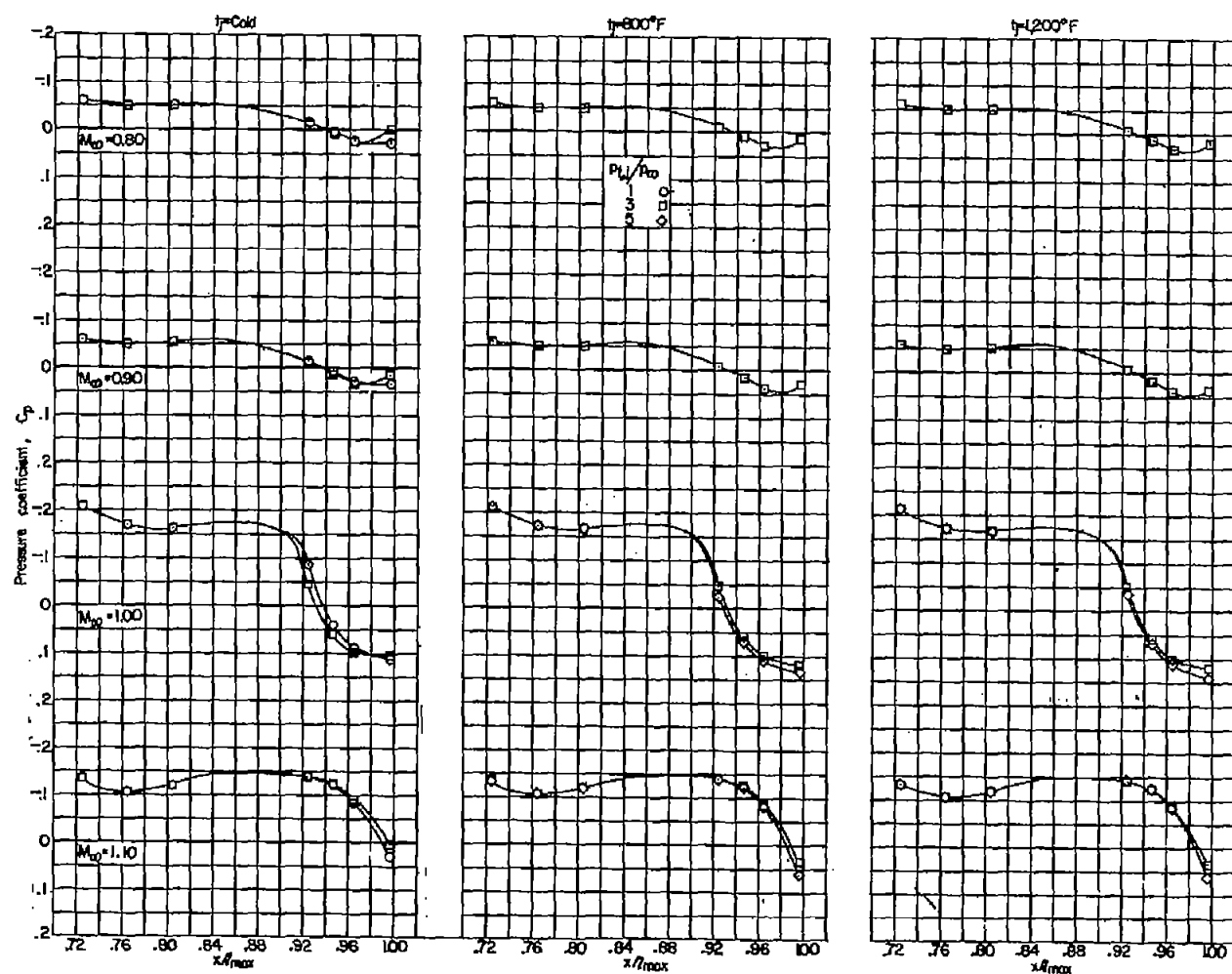
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(i) Afterbody VIII.

Figure 4.- Continued.

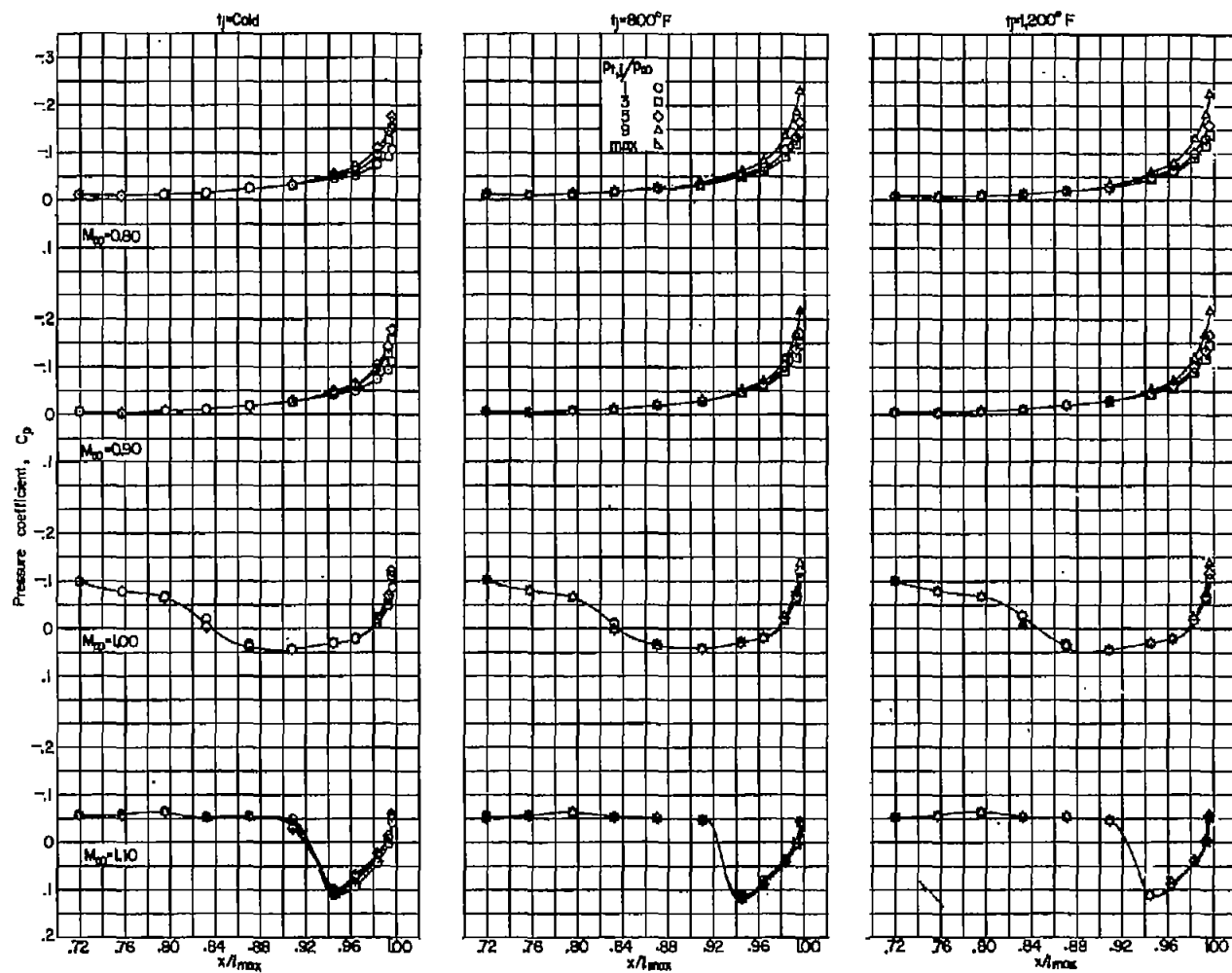
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(j) Afterbody IX.

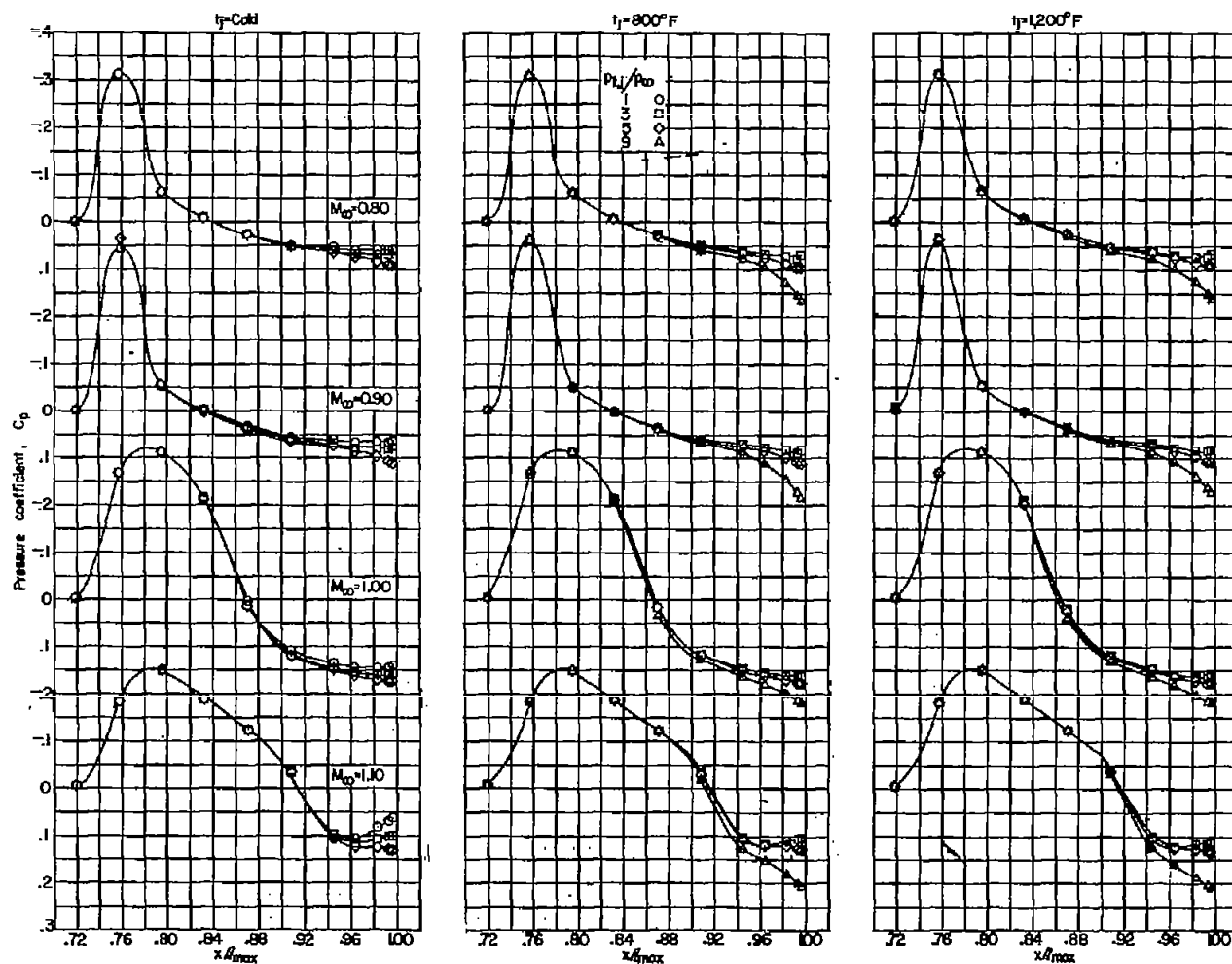
Figure 4.- Continued.

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(k) Afterbody X.

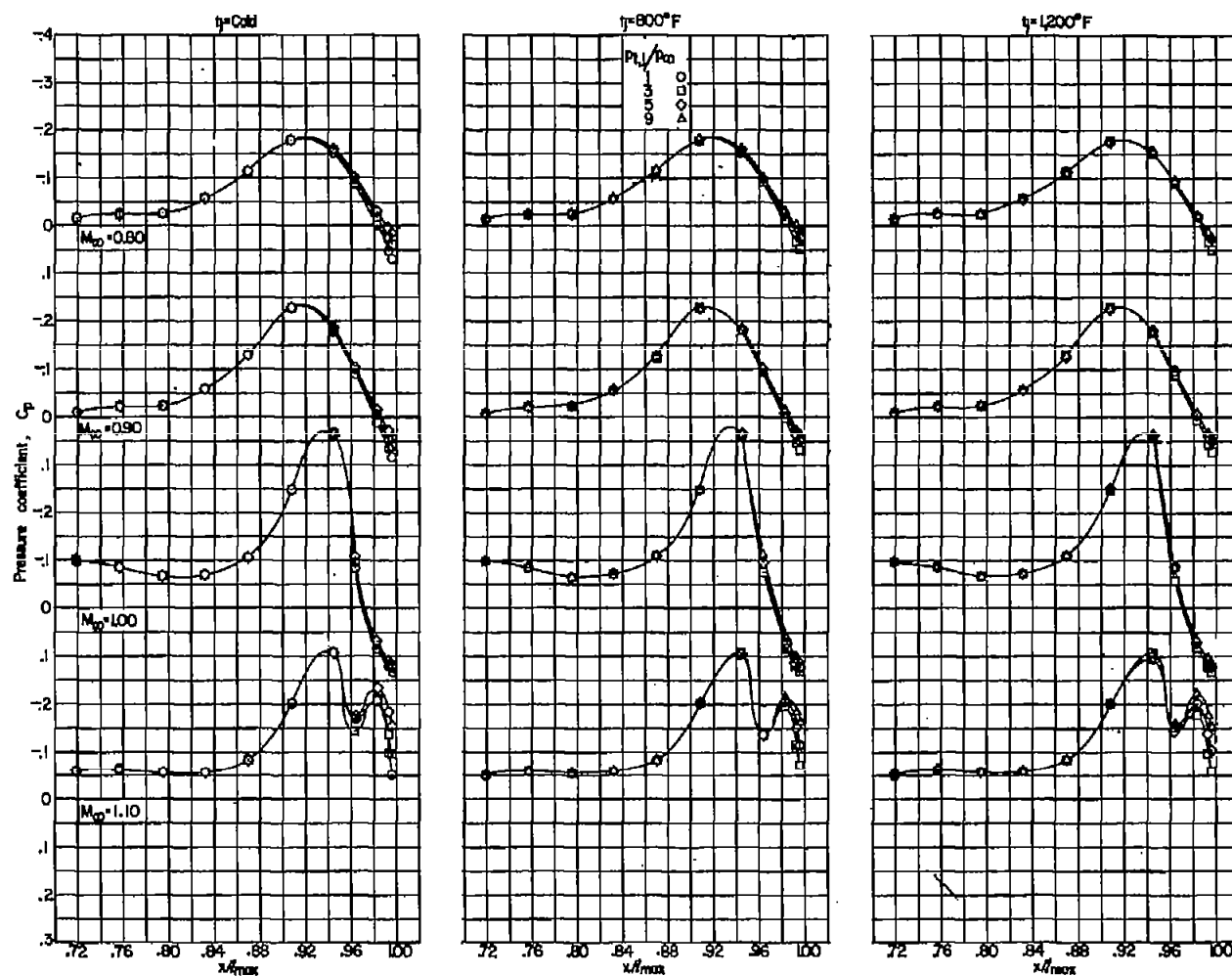
Figure 4.- Continued.



(2) Afterbody XI.

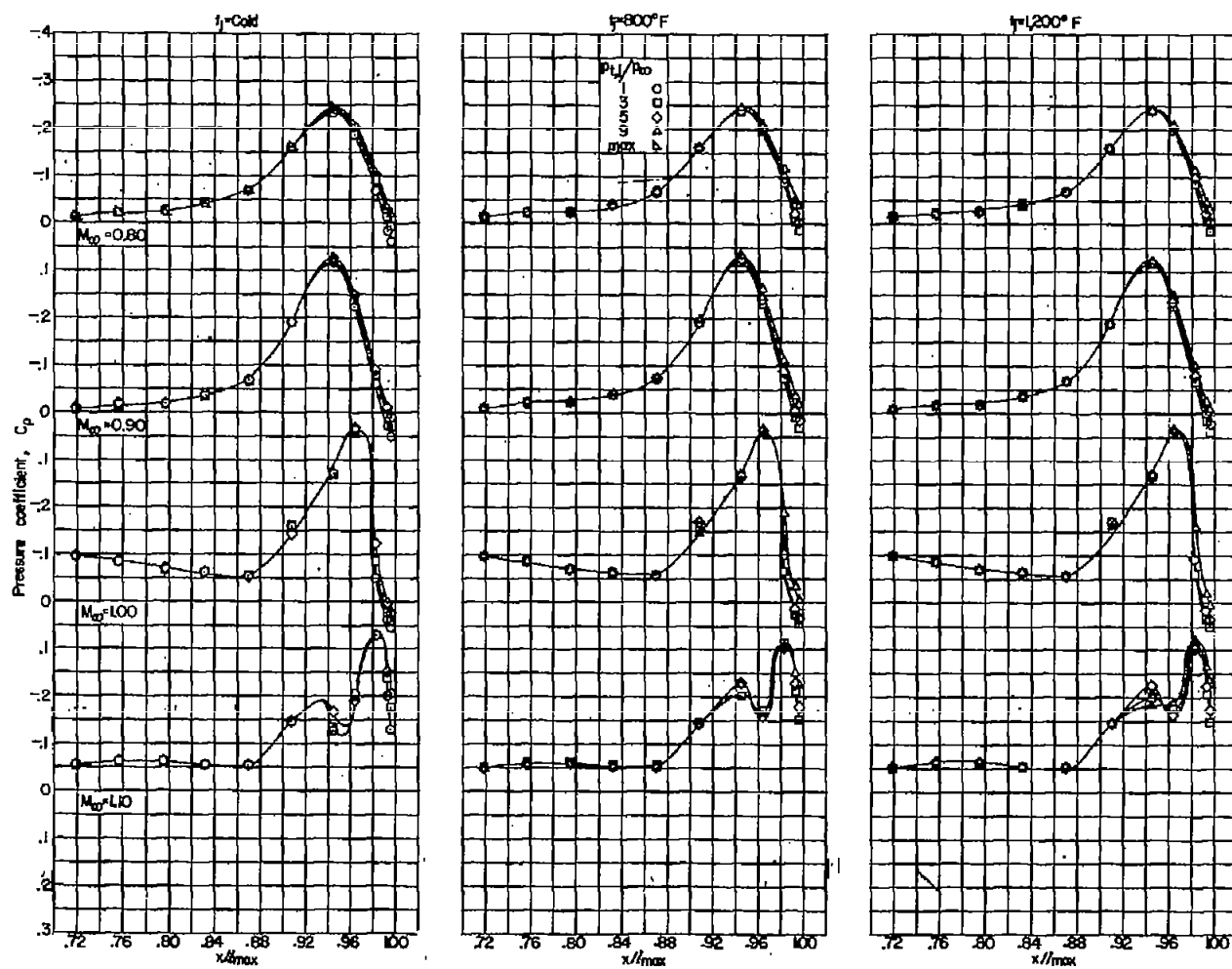
Figure 4.- Continued.

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(m) Afterbody XII.

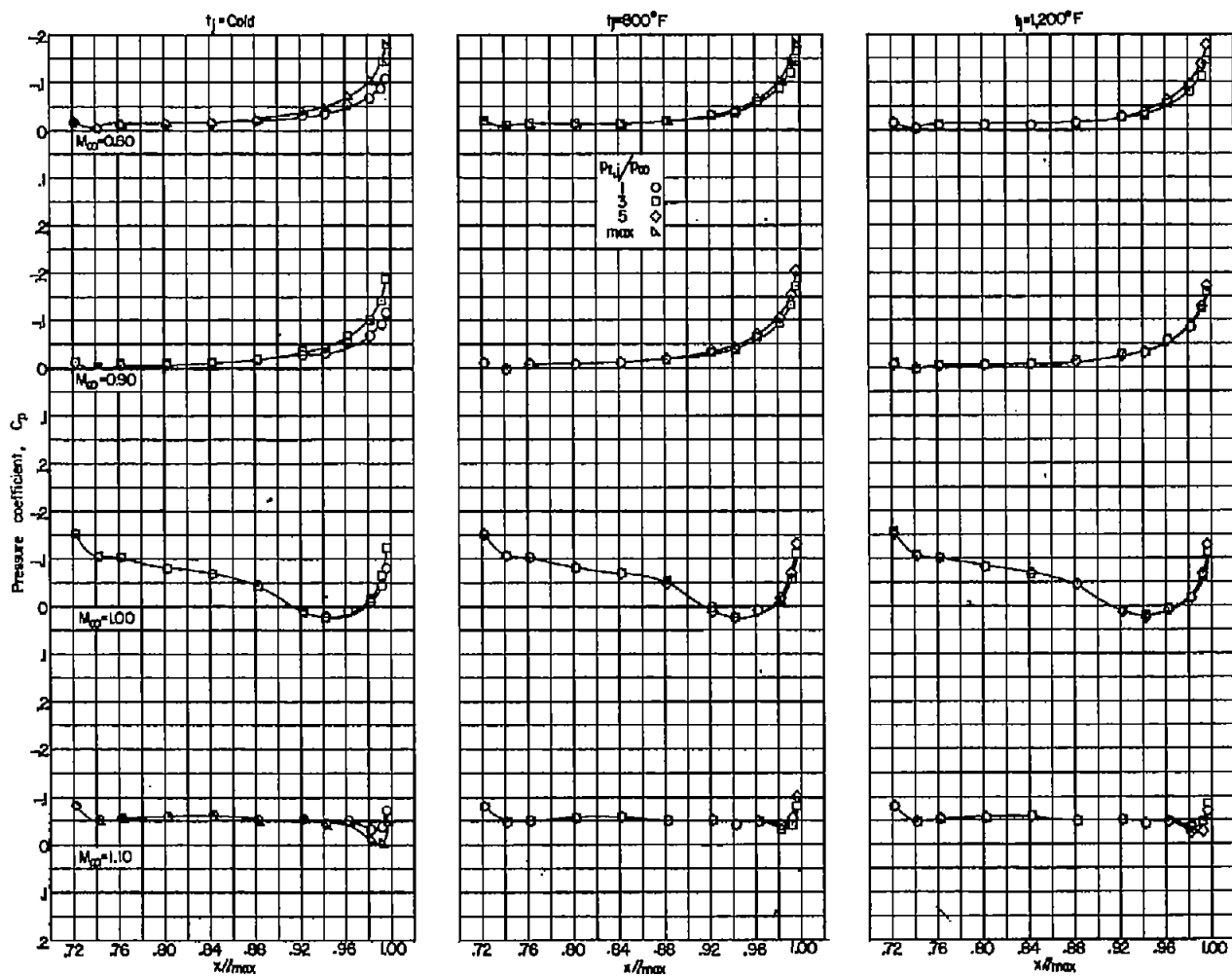
Figure 4.- Continued.



(n) Afterbody XIII.

Figure 4.- Continued.

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(o) Afterbody XIV.

Figure 4.- Concluded.

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